

19980727.qrp v01\_n165.qrs.980727

Date: Mon, 27 Jul 1998 19:03:37 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1165

QRP-L Digest 1165

Topics covered in this issue include:

- 1) [16126] 6 meter homebrew  
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- 2) [16127] more 6 meter  
by Roger Braker <msebrakr@telepath.com>
- 3) [16128] FS:Kenwood TS50  
by Bigbob97@aol.com
- 4) [16129] xtal oscillator  
by Roger Braker <msebrakr@telepath.com>
- 5) [16130] FS: Ten Tec Triton IV - Model 540 de AL7FS  
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 6) [16131] Bumble Bee Call Sign  
by Randy Foltz <rfoltz@wsu.wsu.edu>
- 7) [16132] Ft. Tuthill {Long}  
by jaywa5whn@juno.com
- 8) [16133] DIGITAL FREQ METER  
by "Donald G. Dorn" <DDORN@swbell.net>
- 9) [16134] Re: Copper Foil Tape.  
by George Gingell <k3tks@u1.abs.net>
- 10) [16135] Re: elmer101: no audio  
by Bensondj@aol.com
- 11) [16136] FS: QRP ATV Transceiver - de AL7FS  
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 12) [16137] HW-8 Help  
by "Ron Polityka" <wb3aal@talon.net>
- 13) [16138] Computer Crash = Down Time = No BumbleBee Run  
by "Ron Polityka" <wb3aal@talon.net>
- 14) [16139] Sked with Elmers and friends  
by macstein@cftnet.com (Mac Steinmeyer)
- 15) [16140] Re: xtal oscillator  
by "George T. Baker" <w5yr@swbell.net>
- 16) [16141] Elme101:Phones in series  
by penzo@juno.com (Michael A Penzo)
- 17) [16142] NorCal paddles  
by Joe Smith <joe@cooldude.com>
- 18) [16143] Re: UPS Gorillas  
by nhoop@centuryinter.net (Nat H)
- 19) [16144] K0EVZ Bumblebee report (long)

- by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 20) [16145] RE: UPS Gorillas  
by Tracy@bytemark.com (Tracy)
- 21) [16146] CQ w0rsp de n0tu K  
by "Steve Galchutt" <n0tu@webaccess.net>
- 22) [16147] Bumble Bees  
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 23) [16148] receivers  
by "Michael S. Williamson" <ag97@sendero.net>
- 24) [16149] QRP Plus problem  
by Paul Erickson <paule@sfu.ca>
- 25) [16150] FS: Yaesu FT301D HF Transceiver - de AL7FS  
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 26) [16151] Re: K0EVZ Bumblebee report (long)  
by Joe Gervais <vole@primenet.com>
- 27) [16152] Re: QRP Plus problem  
by Joe Gervais <vole@primenet.com>
- 28) [16153] RE: Another Better Way  
by aweiss@usd.edu (A. Weiss)
- 29) [16154] Re: K0EVZ Bumblebee report (long)  
by "George T. Baker" <w5yr@swbell.net>
- 30) [16155] Re: K0EVZ Bumblebee report (long)  
by Paul Erickson <paule@sfu.ca>
- 31) [16156] Re: [CW] Happiness and Thanks! (KB9IUA now /AE)  
by Ab7wy@aol.com
- 32) [16157] Re: K0EVZ Bumblebee report (long)  
by Joe Gervais <vole@primenet.com>
- 33) [16158] QRPTTF Results Soon  
by Joe Gervais <vole@primenet.com>
- 34) [16159] Bees  
by lya@juno.com (Lorraine Y Aubert)
- 35) [16160] N6MM Bumblebee report (long)  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 36) [16161] BD139 as HF final amplifier  
by Paolo Sassoli <Paolo.Sassoli@italtel.it>
- 37) [16162] FS: S+S ARK20 qrp xcvr  
by n3bj@hotmail.com
- 38) [16163] FS: OHR Classic qrp rig  
by n3bj@hotmail.com
- 39) [16164] FS: SST40 qrp xcvr  
by n3bj@hotmail.com
- 40) [16165] F.S. HW-8 etc.  
by K4NK@aol.com
- 41) [16166] Re: UPS Gorillas  
by "Francis Callahan" <colcal@srv.net>
- 42) [16167] Re: ANTENNA THOUGHTS  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 43) [16168] Elmer 101: Mute FET

by mikemo@ibm.net

44) [16169] Elmer101: Question on part 8  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>

45) [16170] RE: Sked with Elmers and friends  
by cy r currier <crc3@telplus.net>

46) [16171] RE: K0EVZ Bumblebee report (long)  
by cy r currier <crc3@telplus.net>

47) [16172] Battery for backpacking?  
by "Larry N. Fraysier" <fraysier@mounet.com>

48) [16173] Re: Bumble Bee Call Sign  
by Zack Lau <zlau@arrl.org>

49) [16174] SEO RAT "Bumblebee" Report  
by William McFadden <wmcfadde@oucsace.cs.ohiou.edu>

50) [16175] RE: "Green" solder  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

51) [16176] /mm, Antenna & Lake Powell Thanks  
by Brad Mugleston <bmug@gwl.com>

52) [16177] Antenna Help - NEC4WIN  
by Brad Mugleston <bmug@gwl.com>

53) [16178] help with article  
by "John P. Spoonhower" <spoon@kodak.com>

54) [16179] Re: Antenna Help - NEC4WIN  
by "Ed Hare, W1RFI" <ehare@arrl.org>

55) [16180] RE: UPS Gorillas  
by "Tom Quayle" <tquayle@in-tch.com>

56) [16181] Re: K0EVZ Bumblebee report (long)  
by "George T. Baker" <w5yr@swbell.net>

57) [16182] Heath Repair  
by "Jeff M. Gold" <JGold@tntech.edu>

58) [16183] FLIGHT OF THE BUMBLEBEES  
by QLF%mimi@magic.itg.ti.com

59) [16184] RE: UPS Gorillas  
by Chris Trask <ctrask@primenet.com>

60) [16185] Contest fun!  
by tom whalen <whalen@swcp.com>

61) [16186] Re: 6 meter homebrew  
by Roger Braker <msebrakr@telepath.com>

62) [16187] coaxial dipole  
by jim nestor <nestoji@home.com>

63) [16188] N2CQ/BB Report  
by Ken Newman <n2cq@citnet.com>

64) [16189] Re: ARRL Zombies was: Re: Porposal? ....  
by "Ed Hare, W1RFI" <ehare@arrl.org>

65) [16190] Group Buy for LMC 662 (low current NE5532)  
by Joseph Trombino jr <joebarb@wilmington.net>

66) [16191] Re: ARRL Zombies was: Re: Porposal? ....  
by Mike - W0TMW <crucis@sky.net>

67) [16192] Flight of BumbleBees AE4GX BB#7

- by Sam Billingsley <SBillingsley@usaninc.com>
- 68) [16193] The ARS bumblebee contest was great fun  
by Dick Schneider <rschneid@ix.netcom.com>
- 69) [16194] [ForSale-Swap] Old QST & CQ Magazines (fwd)  
by Chris Trask <ctrask@primenet.com>
- 70) [16195] W7ZOI/AA7QU Combo Plays With the Bees  
by "Russ Carpenter" <russ@natworld.com>
- 71) [16196] Re: Elmer101: Phones in series  
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 72) [16197] Bumblebees flight  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 73) [16198] FS Ten Tec 251 P/S  
by bens@valint.net
- 74) [16199] Re: Elmer101: Question on part 8  
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 75) [16200] LMC-662/NE5532 chips  
by Joseph Trombino jr <joebarb@wilmington.net>
- 76) [16201] Need info on QRP rigs  
by bens@valint.net
- 77) [16202] Re: coaxial dipole  
by jeverhar@cse.l-3com.com
- 78) [16203] QRP-L CDROM PROJECT  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 79) [16204] unsubscribe from gqpr-l?  
by John Mckee <JMckee@RFMD.com>
- 80) [16205] Zombie #163 lives... errrr... dies?  
by Chris Cartwright <ccart@dns.vidtel.com>
- 81) [16206] Re: coaxial dipole  
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 82) [16207] Index Labs QRP-Plus  
by Craig Kolk <craig.kolk@vtmednet.org>
- 83) [16208] QRP + 200Hz offset / Drift Problem  
by Dave Barrett <DBarrett@creo.com>
- 84) [16209] Copper Foil Tape  
by Peter\_Simpson@ne.3com.com
- 85) [16210] VCRs as parts source  
by Peter\_Simpson@ne.3com.com
- 86) [16211] Vic K2VCO's Cannonball Park Story  
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 87) [16212] VE7CQK/BB (loaded touring version)  
by Paul Erickson <paule@sfu.ca>
- 88) [16213] Re: Contest fun!  
by Ed Loranger <we6w@qsl.net>
- 89) [16214] Re: elmer101: no audio  
by Roger Braker <msebrakr@telepath.com>
- 90) [16215] RE: VCRs as parts source (and they're free!)  
by Conrad <radman@best.com>
- 91) [16216] Ft Tuthill Hamfest

- by adams@chuck.dallas.sgi.com (Chuck Adams)
- 92) [16217] 11-2-10 project, update  
by Steven Weber <kd1jv@moose.ncia.net>
- 93) [16218] Elmer101: A FET mute gate experiment  
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 94) [16219] Elmer101: part 13, final RF amplifier and filter  
by Michael Maiorana <mikemo@ibm.net>
- 95) [16220] Help (in Spanish) amigos  
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 96) [16221] Help (in French)  
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 97) [16222] Re: suggestion  
by Bob Hightower <ki7mn@dancris.com>
- 98) [16223] Status of 11-2-10 please?  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>
- 99) [16224] Elmer200: Announcement Version 1.0  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 100) [16225] Fwd: The SWL 40+  
by RangerSF5@aol.com
- 101) [16226] Elmer300: K8IQY Parts List  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 102) [16227] Re: suggestion  
by RangerSF5@aol.com
- 103) [16228] BB Sprint Log.  
by Ed Loranger <we6w@qsl.net>
- 104) [16229] RE: VCRs as parts source (and they're free!)  
by Steven Weber <kd1jv@moose.ncia.net>
- 105) [16230] Re: Fwd: The SWL 40+  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 106) [16231] OKC Hamfest.....The True Story  
by ab5uacw@juno.com (Clifton W Sikes)
- 107) [16232] High Altitude HALO jump is \* A GO\*  
by RangerSF5@aol.com
- 108) [16233] Bumblebee Report  
by Ken LaRose <kenlar@csolve.net>
- 109) [16234] homebrew test equipment ideas needed  
by "Michael S. Williamson" <ag97@sendero.net>
- 110) [16235] /BB help please and report.  
by Jeff Grudin <grudin@pacific.vdbs.com>
- 111) [16236] ZOMBIE badge update  
by Paul Harden <pharden@aoc.nrao.edu>
- 112) [16237] ARS Sojourner  
by "George F. Allgood" <k4pym@carol.net>
- 113) [16238] Re: ZOMBIE badge update  
by RangerSF5@AOL.COM
- 114) [16239] RE: QRP-L CD-ROM  
by Larry East <w1hue@amsat.org>
- 115) [16240] LMC662CN-ND group buy

by Paul Helbert <phelbert@rica.net>

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Date: Sun, 26 Jul 1998 18:04:54  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16126] 6 meter homebrew  
Message-ID: <3.0.1.16.19980726180454.2bf7626e@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,  
I recall that a lot of us were wanting some 6 meter homebrew. I ran a cross a japanes ham's web site. "<http://www.qsl.net/7n3wvm/>"  
He has 3 6 meter trancievers on there. The SSB/CW one has a parts list, skiz and a photo. How hard do you guys think this thing would be to build?

73,  
Arnold kd5ckh

---

Date: Sun, 26 Jul 1998 18:11:24  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16127] more 6 meter  
Message-ID: <3.0.1.16.19980726181124.2bf7e276@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Also check out "<http://www.intio.or.jp/jf10zl/>" for some more 50mhz stuff.  
See ya.

73,  
Arnol kd5ckh

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Date: Sun, 26 Jul 1998 19:19:38 EDT  
From: Bigbob97@aol.com  
To: QRP-L@Lehigh.EDU

Subject: [16128] FS:Kenwood TS50  
Message-ID: <d8c81527.35bbb98b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi folks!

I am buying a new rig and would like to sell my Kenwood TS50 - \$725 shipped.  
It covers 160 to 10 CW SSB FM AM. 10 watts to 100. General coverage Rx.  
Excellent condition - still have original box. Anyone interested?

73,

Bob WB2DHK in Jersey City, NJ

-----  
Date: Sun, 26 Jul 1998 18:33:39  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16129] xtal oscillator  
Message-ID: <3.0.1.16.19980726183339.3baf0a8e@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I am in need of a skiz for a 27 mhz xtal oscillator and frequency doubler.  
Any ideas? I'm planing on using it for a 50 mhz, NE602 reciever. Heres  
what I'm thinking: 27 mhz, double that, and you get 54mhz. Subtract 3.5  
mhz of a VF0 from 54 and you get about 50.5 Right near the CW SSB 6 meter  
stuff. I could use a xtal closer to the desierd frequncy but I have no  
clue where to get one. CB xtals are better than a dime a dozen. What do  
ya all think? Thanks for any input

-----  
Date: Sun, 26 Jul 1998 15:48:05 -0800  
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [16130] FS: Ten Tec Triton IV - Model 540 de AL7FS  
Message-ID: <35BBC035.C62020E4@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale: Ten Tec Triton IV - Model 540 \$225 plus shipping.  
No mike, no dc cord, with manuals, works but is not perfect...has some

warts.

73, Jim, AL7FS

If you want more details, read on.

(From the manual)

The Triton's are medium powered SSB and CW transceivers employing solid state technology. The Triton IV is a notable upgrade from the Triton I. Unique balun type transformers couple each rf stage insuring efficient energy transfer without the need to resonate or tune. Individual low pass output filters for each band reduce transmitted harmonic and TVI component to a low value.

Tune-O-Matic band changing completely eliminates transmitter tune-up. The panel meter automatically switches from an "S" meter to an SWR meter when transmitting. Indicator LEDs are provided for offset tuning (OT) and automatic level control (ALC), and the crystal calibrator is pulsed for easy identification.

Comments plucked from the manual plus a few notes of my own:

Uses 12-14 volts DC at up to 18 amps.

Mic - high impedance dynamic, crystal or ceramic microphone. (Not included)

SWR meter built in.

Bands - 80-10 no WARC bands

Freq Stability - Less than 15 Hz per degree Fahrenheit, averaged over a 40 degree change from 70 degrees to 110 degrees, after a 30 minute warm-up.

Tuning Rate - Approx. 25 KHz per knob revolution

RX current - 500 ma

TX current - 18 A max

47 transistors, 33 diodes, 11 ICs

HWD 4.5" x 13 5/8" x 13"

Net weight 12 lbs (Packing material will add to weight)

Receiver

Sensitivity Less than .3 uv for 10 db signal-plus-noise to noise ratio

Selectivity - 8 pole lattice filter. 2.5 KHz bandwidth. 1.8 to 1 shape factor at 6/60 dB

IF - 9 MHz,

Has Offset tuning 0 Approximately +/- 5 KHz, with pull-out defeat switch and indicator LED

Calibrator - 100 KHz crystal type - pulsed tone

Optional Accessory (not included): CW filter Model 245: Has four active operational amplifier stages.



CW-1 inserts all four states resulting in 150 Hz wide band pass  
CW-2 selects only one stage so that skirt attenuation is much less  
Bandwidth - 150 Hz at half power point 1.45 KHz @ -60 db = CW1  
260 Hz at half power point 2.8 Khz @ -20 dB = CW2

Again, the 245 is not included, but I do have the Info sheet, schematic and parts list for the 245 filter (plus the Motorola chip alternate). Also, I have a QST article on how to install the Ten-Tec Model 217 filter (500-Hz, 8 pole crystal filter) into the Model 540, Triton.

#### Receiver Works

Transmitter puts out at least 50 watts (I only had a PS capable up to 9 amps). Rig is rated at 85-100 watts output with 18 amps.

CW is complete break-in T/R

Power variable from the front panel

CW Filter (Optional accessory, not included)

No power cord

No mike

manual included - one original,

I have never used this rig for a QSO

Warts: I would expect you would want to go through this rig and tweak it up...clean it up. It did go lights on just fine last weekend and a quick check on 20 meters showed good signal reception on CW and SSB. The dial cord needs work. Front panel is clean except for one rub area on the RF dial(the numbers 5, 6, and 7 have been rubbed off).

73, Jim, AL7FS

-----  
Date: Sun, 26 Jul 1998 16:53:29 -0700 (PDT)  
From: Randy Foltz <rfoltz@wsunix.wsu.edu>  
To: qrp-l post <qrp-l@Lehigh.EDU>  
Subject: [16131] Bumble Bee Call Sign  
Message-ID: <Pine.OSF.3.95.980726164953.12842A-1000000@unicorn.it.wsu.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy, gang.

For those of you who took part in the BB and are comparing your list of

Bees to the official list before the contest, make a note that AB7TK is now K7TQ.

I think I added /BB to the new call everytime.

Now maybe you'll know who that mystery call was from. :)

72,  
Randy ex AB7TK  
K7TQ ARCI QRP-L NORCAL ARS FISTS CQC  
Moscow, ID

-----  
Date: Sun, 26 Jul 1998 18:03:52 -0400  
From: jaywa5whn@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [16132] Ft. Tuthill {Long}  
Message-ID: <19980726.180439.13854.0.jaywa5whn@juno.com>

Ft. Tuthill '98 {long}

WB5LYJ & I had arrived home, from Glacier Park, Montana @ 11 PM MDT on Friday {July 24th} & by 0600 MDT on Sat., July 25th, we were enroute, with our 12 year old female German Short Hair Pointer, to Flagstaff, AZ. for the Ft. Tuthill Hamfest. This is a 4.5 hour drive from Albuquerque.

When we had arrived at the qrp camping area {0940 MST, AZ is on MST}, it was nearly full. Tents, pop-ups & RVs every where in this area. SLVs, Delta loops, and a few other strange looking pieces of wire are in the pine trees. Radials were run every where. W5BI had guided us in to a camp site on 146.46 FM simplex, since we were the late arrivals. The rest of the crew was packed into the qrp seminars.

A few hours later, after setting up camp & a quick nap, WB5LYJ, W5BI & I had decided to wander around the hamfest. We first spot an individual wearing a Zombie/Area 51 badge, then several others, in fact, there is quite a crowd of them wandering around the Hamfest. What was very interesting was the number of People asking what group does this badge represent. There were some very humorous reactions & answers to some very strange looks. {NA5N had explained how to obtain a badge, in a previous note posted to the qrp-1} ;-)

The attendance, for the Ft. Tuthill '98 Hamfest {estimated} was slightly over 5,000 according to those in charge.

Radio Paul {WR7J} had sold out of half size G5RV antenna kits.

N7XJW, KI7MN, W5VBO, AB7TT and a few others were at the QRP-ARCI booth, with a crowd standing around asking questions. I had signed up for the qrp seminars & N7XJW hands me a folder full of qrp information & a no-skid pad for my paddles.

The qrp seminars were absolutely superb, I had missed a few, because of my late arrival. Lots of door prizes, for those attending the qrp seminars.

The night before, there was a thunderstorm that had rolled through, and had dumped over .2" of rain on top of the hamfest. Temperature was in the upper 70's during the day.

I had an eyeball qso with K5MGR & WA5OIP {qrper from Albuquerque}. Both had taken Amtrak from Albuquerque to Flagstaff, with 2 stops {Gallup & Winslow} enroute.

A few Texans had escaped the heat, K5VU & K5FO {Chuck had talked about SPICE & NEC-2 modeling software}.

N7IR had presented a seminar on qrp contesting, I had missed KI6DS's presentation about upcoming kits, club activities, and just pure humorous interaction with the crowd. N1IRZ was signing his new book, from MFJ "Breaking the Code Barrier". Paul - NA5N's presentation about solar activity was not to be missed.

The Cook Out is a real treat. N7XJW had prepared a home made potato salad & home made bread, N7KT was trying out a new formula for his {alleged} low octane frijoles {beans}. NQ7K & KI6DS were the chefs. KI7MN was the truck {2 wheel} driver. Good friends, great food under a canopy of pine trees & the milky way for all to view.

AB7TT had his day pack with him, complete with Sierra, ZM-2, ready for the bumble bee contest on Sunday {July 26th}. KK6MC had made the trip, despite just recovering from pneumonia. KK6MC - Jim's seminar was about antennas.

I think W6MMA was working the IOTA contest with one of his qrp ssb radios, from the campground.

Almost all of the NM qrpers were there {K5OI was missing}. In fact, that is the one of the few times that all of us {NM} actually see each other.

Alot of ideas {contests & rig designs} were tossed out for discussion.

Stay tuned, information will be forth coming via the qrp-l.

KI6DS, NA5N, plus a few others were huddled around a table, soldering & unsoldering a few components on various boards. Do you know what you do with a 1KVA generator ? Power a 25 watt soldering iron for several hours. Oh, and another use for a 1KVA generator is to recharge W5VBO's camper batteries.

I would like to personally thank the AZ scQRPions for their SW hospitality, in particular, N7XJW, KI7MN, N7KT, & NQ7K for assembling the qrp folders/packets, cooking, baking, reserving the site, setting up the seminars, plus a multitude of other chores. The qrp seminars & presenters are world class.

It was great to see those world travelers, KI6DS & Jo Ann. BTW, a 5KW generator was spotted in the back of Doug's pick up truck, along with assorted bags of goodies {components}. I think Doug is trying to obtain that elusive award, work them in all 50 States, qrp. ;-)

Reserve us a place in the qrp camping area, because we will be there again for Ft. Tuthill '99.

Albuquerque, NM USA

tnx & it was fun de WA5WHN, Jay DM65qd

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 26 Jul 1998 19:11:26 -0500  
From: "Donald G. Dorn" <DDORN@swbell.net>  
To: QRP-L@Lehigh.EDU  
Subject: [16133] DIGITAL FREQ METER  
Message-ID: <35BBC5AE.C39@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi guys, I am looking for a digital freq mtr, kit or otherwise, for a home brew multi band xcvr. I am somewhat familiar with the K1MG model but am sure that I have seen mention of others. Can somebody point me in the right direction?  
Don K5AAR

-----  
Date: Sun, 26 Jul 1998 20:33:38 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Cc: Harry Hurst <hhurst@delaware.infi.net>  
Subject: [16134] Re: Copper Foil Tape.  
Message-ID: <Pine.BSI.3.96.980726201639.11329A-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry to hear about the allergic reaction to the tape, Harry.

It is as you say handy stuff to have around the shack. It can be used for quickie circuit boards, it can also be used quite nicely as RF Shielding and some Interesting Portable Antennas.

It just so happens that I bought several rolls at the same place in Rio Grande, N.J. on RT 47. The Stained Glass Supply Company. I can't seem to locate the address card around here either. I am on their mailing list and get an advertisement from time to time.

It is actually better than the Alarm Circuit Tape and much less expensive.

It is available in several widths. Although it is intended for covering seams on Stained Glass Projects and will take the heat rather well, It will "Migrate" when used as a printed circuit trace. I have found that running a strip completely around a piece of perf board and overlapping

it and soldering the overlap joint, you can make up a neat sort of kludge board. Also you can rub it down with your fingers and it will make dimples appear wherever the holes appear. Then I use a Darning Needle epoxied into an electrical wire nut as a hole punch for my component leads.

Sort of combined ugly and pcb masterpiece.

You can stick the Foil onto strips of Plastic for roll up portable antennas. Also tried a helical wind onto pvc pipe for fun of it.

Oh Yes, there is an expensive version of the tape with better adhesive for printed circuit repair. This cheap stuff works fine if you are careful.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

-----  
Date: Sun, 26 Jul 1998 20:42:55 EDT

From: Bensondj@aol.com

To: msebrakr@telepath.com

Cc: qrp-1@Lehigh.EDU

Subject: [16135] Re: elmer101: no audio

Message-ID: <abefad56.35bbcd10@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Date: Sun, 26 Jul 1998 08:26:01

From: Roger Braker <msebrakr@telepath.com>

>>To: mikemo@ibm.net

>>Cc: qrp-1@Lehigh.EDU

>>Subject: [16101] Re: elmer101: no audio

>>When I bypass R9, I hear static. Does this mean that I need to replace Q1?  
>>I looked for cold solder joints, or miss installed components around that  
>>circuit but found none. If I do need to replace it, can I use any FET or  
>>does it have to be an MPF102? Thanks for the help.

>>Arnold kd5ckh

A new FET is on its way to you in the morning. The MPF102 is an N-channel JFET and is probably the most widely used device of that type. FETs like the 2N5485 and '5486 will work fine as well, but hang in there and you'll be receiving a replacement soon.

73, Dave

-----  
Date: Sun, 26 Jul 1998 17:08:50 -0800  
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [16136] FS: QRP ATV Transceiver - de AL7FS  
Message-ID: <35BBD322.85711BA@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

PC Electronics - TC70-1 All-in-One Box - Amateur Television Transceiver (ATV). \$150 plus shipping. Includes manual, schematic, parts placement diagram and power cord. Condition is excellent and box is clean.

73, Jim, AL7FS

Transmit Live Action Color Video and sound just like broadcast TV to other Amateurs.

TC70-1 Special Features:

- \* Sensitive UHF GaAsfet tunable 420-450 MHz downconverter
- \* Two frequency >1 watt p.e.p. transmitter. 1 crystal included on 439.25 Mhz.
- \* Crystal locked 4.5 mHz broadcast standard sound subcarrier
- \* 10 pin VHS color camera and RCA phono jack video inputs
- \* PTL (push to look-same as push to talk for video) T/R switching
- \* Transmit video monitor outputs to camera and phono jack.
- \* Small attractive shielded cabinet - 7x7x2.5"

\* Requires 13.8 VDC @ 500 ma + color camera current.

Just plug in your camera, VCR, camcorder, etc. composite video and audio (10 pin jack on front or phono jacks on back, 70 cm antenna, 12-14 VDC, and you are ready to transmit live action color or black and with pictures and sound to other amateurs. Sensitive downconverter tunes the whole 420-450 Mhz band down to input to your TV set on channel 3.

-----  
Date: Sun, 26 Jul 1998 21:10:28 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [16137] HW-8 Help  
Message-ID: <001101bdb8fb\$5c0e8740\$125445c6@RonaldJ.Polityka>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

Since I am back up and running now I need some help!

There were two fellow QRPers that were helping me with my HW-8 problem. One was in Chicago and the other was in Florida.

Could you please send me your e-mail addresses again!

Thanks,  
Ron de WB3AAL  
wb3aal@talon.net

-----  
Date: Sun, 26 Jul 1998 21:07:33 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [16138] Computer Crash = Down Time = No BumbleBee Run  
Message-ID: <001001bdb8fb\$5b55e5a0\$125445c6@RonaldJ.Polityka>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello QRPers,

Well I have been on the Internet for the past week due to a major computer crash!!

After about 50 hours of recovering my information from the hard drive I have recovered about 75% of my data. I lost many e-mail messages, DXCC Program that I created and all my County Hunting Files. I did not even get a chance to do the Bumblebee Run on Sunday.

I am now using Windows 98!?!? Works great but I am kind of scared of the possible problems that I might occur.

Now with my father-in-law still in the hospital, HW-8 toasted and the great job of reconstructing my computer. I HAD ANOTHER COMPUTER HARD DRIVE CRASH!! Different machine but I lost valuable data! I am not affraid of the year 2000 bug, I had it on July 19, 1998!!!!

If you have sent me any e-mails in the past week please resend them to me.

Thanks,  
Ron de WB3AAL  
Eastern PA QRP Club #1

-----  
Date: Sun, 26 Jul 1998 21:21:33 -0400  
From: macstein@cftnet.com (Mac Steinmeyer)  
To: qrp-1@Lehigh.EDU  
Subject: [16139] Sked with Elmers and friends  
Message-ID: <199807270127.VAA14871@renoir.cftnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

I just want to publicly thank DOC, K0EVZ for digging me out of the noise tonight. He has been encouraging me along ever since I got on this list

(I'm #704). Some time ago when I posted about weak sig operating, he wrote me to offer tips and encouragement. I finally got back to him to arrange a sked. He offered to sked a contact tonight even after working as a "one armed" BumbleBee. I heard him from MN down here in FL on the first CQ... however, I had to fight off TWO new hams with "first contacts" to get back to Doc. KF4UHO in KY and CL7AU (I think) in Cuba jumped on me 599 to Doc's 559. I knew Doc wouldn't mind me encouraging new CW ops before I could get back to him.

QRM, QRN es QSB abound, 'ol Doc came through. Thanks a ton for the "house call" Doc.

-Mac-

73/72 KF4KSM                      Grid Sq: EL88rd  
email: macstein@cftnet.com

-----  
Date: Sun, 26 Jul 1998 20:44:19 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: msebrakr@telepath.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [16140] Re: xtal oscillator  
Message-ID: <35BBDB73.F3FF673@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Why not just use an old CB radio for the 27 MHz signal source? Probably cheaper than a good crystal at that frequency and probably more stable as well. Use the CB to drive a doubler and then mix with your VFO, etc.

72/73, George  
Amateur Radio W5YR, 52 years and counting!  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403  
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Roger Braker wrote:

>  
> Hi Guys,  
> I am in need of a skiz for a 27 mhz xtal oscillator and frequency doubler.  
> Any ideas? I'm planing on using it for a 50 mhz, NE602 reciever. Heres  
> what I'm thinking: 27 mhz, double that, and you get 54mhz. Subtract 3.5  
> mhz of a VFO from 54 and you get about 50.5 Right near the CW SSB 6 meter

> stuff. I could use a xtal closer to the desired frequency but I have no  
> clue where to get one. CB xtals are better than a dime a dozen. What do  
> ya all think? Thanks for any input

-----  
Date: Sun, 26 Jul 1998 21:45:19 EDT  
From: penzo@juno.com (Michael A Penzo)  
To: qrp-1@Lehigh.EDU  
Subject: [16141] Elme101:Phones in series  
Message-ID: <19980726.202034.7879.1.penzo@juno.com>

I rewired my phone jack so that the headphones would be in series rather than parallel as suggested in "QRP Power", page 3-22. The Op amp seems to drive my phones louder before clipping. Has anyone else tried this. Really seems to work for me. I gotta wonder why it wasn't designed this way, is there a drawback that I'm not aware of?

Looking forward to replacing the NE5532 with the low current LMC662 equivalent. Thanks to Paul Helbert for the group buy.

73,  
Mike, KT4FJ  
Stafford, VA.

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 26 Jul 1998 21:01:32 -0500 (CDT)  
From: Joe Smith <joe@cooldude.com>  
To: qrp-1@Lehigh.EDU  
Subject: [16142] NorCal paddles  
Message-ID: <Pine.LNX.3.95.980726210000.11993E-100000@buster.hworx.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone purchased a NorCal paddle kit lately? I just wondered if they were still available.

---  
w0joe

-----  
Date: Mon, 27 Jul 1998 02:48:58 GMT  
From: nhoop@centuryinter.net (Nat H)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [16143] Re: UPS Gorillas  
Message-ID: <35bbea48.58064651@mail.ot.centuryinter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>> I have shipped and received numerous items via UPS - radios, amps, antennas,  
>> accessories, etc. In each case the item arrived in perfect condition, never  
>> a crushed box or any sign of damage. From all the negative posts I've seen,  
>> I guess I must have been really lucky...  
>>  
>> 73 de KF6KNB  
>> -----

No, that's my good experience with them too.

73 Nat KM5QU

-----  
Date: Sun, 26 Jul 1998 23:01:30 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ"  
<70511.3041@compuserve.com>  
Subject: [16144] K0EVZ Bumblebee report (long)  
Message-ID: <199807262305\_MC2-543D-CA08@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Gang:

Thanks one and all for a really fun outing. This has to be one of the  
most memorable contests ever for K0EVZ.

Total (early) = 46 QSO's...22 Bumblebees worked...22 SPC's

Times worked = 1824Z - 2058Z    On 20 Metres only.

Site = Cain's Mesa south of Red Wing, MN. Hiked 4 miles, then a 3/4 mile hike before 900 foot climb. Nice site, with clear radio shots 360-degrees. Biggest problem was a never-ending fight with our state bird, the mosquito :-). I considered going to the hospital for 2 units of replacement blood. Nah.

Rig(s) either SST-20 or Sierra. Used the SST (1.86 watts from 12-volt motorcycly battery) most of the afternoon. Great little rig, but when guys called too far off-frequency I simply could not stay with them w/o RIT. Bob N4BP was musing on-line recently about possibly putting one in where the present stock RF control protrudes through the back of the case. HmMMM.... Anyone tried this?

The Sierra with its RIT and variable filtre worked fabulously. Great rig and did nearly 100% of what I needed. Have kept mine stock = no power out mod. So I was getting about 1.7 watts from 12VDC. Thanks Wayne Burdick for a great rig....and Bob AE4IC for assembling some of the modules.

The only antenna = Inverted WYE taped to SD-20 fishing pole. Installed in less than 5 minutes. I really like this antenna. May not be a world-beater but sure works for this old timer. Very compact and light-weight for backpacking. BTW the Whiterook MK-88 was perfect today.

So it was a great afternoon. Oh I took Joe's advice and bought a lightweight portable 3-legged stool. Cost only \$7.99 at Gander Mountain. Has a shoulder carrying case. What a great idea, Joe. Owe you big-time for this one.

Thanks again one and all for stopping by. Sorry I missed several. Just couldn't get it done. Let's do it again next year FOR SURE!

72/73,

--Doc Lindsey/K0EVZ                    Rochester, MN--Home of the Mayo Clinic.  
MWBC  
519-16th Street SE  
Rochester, MN 55904  
507/289-5108 (eves)

-----  
Date: Sun, 26 Jul 1998 23:27:59 -0400  
From: Tracy@bytemark.com (Tracy)  
To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [16145] RE: UPS Gorillas  
Message-ID: <000401bdb90e\$8df3fca0\$12251ad1@titan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

We've had to go to great lengths to pack well enough to handle their  
'handling.' Even then, customers frequently complain of breakage. Just  
because the box looks good, doesn't mean it didn't get banged around hard.

Tracy, N4LGH

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
> Nat H  
> Sent: Sunday, July 26, 1998 10:49 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: UPS Gorillas  
>  
>  
> >> I have shipped and received numerous items via UPS - radios,  
> amps, antennas,  
> >> accessories, etc. In each case the item arrived in perfect  
> condition, never  
> >> a crushed box or any sign of damage. From all the negative  
> posts I've seen,  
> >> I guess I must have been really lucky...  
> >>  
> >> 73 de KF6KNB  
> >> -----  
>  
> No, that's my good experience with them too.  
>  
> 73 Nat KM5QU  
>  
>  
>

-----  
Date: Sun, 26 Jul 1998 21:11:42 -0600  
From: "Steve Galchutt" <n0tu@webaccess.net>  
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>  
Subject: [16146] CQ w0rsp de n0tu K

Message-ID: <00cb01bdb90d\$0f447520\$9ba8a3cc@SG2939M.webaccess.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey ade,

I realized after I signed because of extremely rough copy with W0LSP it was you W0RSP. Amazing what the QRN can do to the other guy's call! horrible static here! Sorry I missed you....next time.  
72...Steve

-----  
n0tu - solar powered QRP & wire antennas @ 7,200' ASL  
Monument, Colorado - Grid Sq DM79nb  
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>  
email: n0tu@webaccess.net

-----  
Date: Sun, 26 Jul 1998 23:32:56 -0400  
From: "Kenneth W. Evans" <w4du@bellsouth.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [16147] Bumble Bees  
Message-ID: <35BBF4E8.1FA67DA7@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Had a great time today with the flight of the bumble bees! Totaled out with 28 contacts, about 60% on 40 with the rest on 20 & 15. Fifteen was in and out all day with very rapid changes and QSB. Thanks to W7Z0I (Wess/Russ) for haging in with me on that band.

Would definetely do it again, but an October date would be cooler in Georgia - temps were in the high 90's and the QRP+ had a difficult time with the heat! It kept locking up and wouldnt xmit - any others experience that?? My 40 meter SST was much more tolerant of the heat. Now to get my logs in.

72/3,  
Ken w4du@bellsouth.net  
W4DU

-----  
Date: Sun, 26 Jul 1998 22:34:46 -0600  
From: "Michael S. Williamson" <ag97@sendero.net>  
To: qrp-l@Lehigh.EDU  
Subject: [16148] receivers  
Message-ID: <980726224130401800@mail>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

After building and studying a direct conversion receiver I think I have a thumb on how it works. Can someone please outline how a regen and a superheterodyne receiver works. This is really quite intriguing.

thanks,  
73 de kc5cqm

----- Michael Scott Williamson -----  
WWW \*\* <http://members.xoom.com/Aggie97/>  
E-Mail \*\* michael@aggies.org

-----  
Date: Sun, 26 Jul 1998 20:48:16 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: qrp-l@Lehigh.EDU (qrp)  
Subject: [16149] QRP Plus problem  
Message-ID: <199807270348.UAA05627@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Hi Everyone,

Right now I don't have access to my notes on the qrp plus, but Jim AL7FS was kind enough to let me know that I was chirping in the later part of the "flight". It may have been due to my battery getting low, but I also seem to recall that someone mentioned a chirp problem when the rit was activated. I was running the last couple of hours with the rit on continuously, so that may have been it.

Any "plus" experts out there who can help me out???

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca



-----  
Date: Sun, 26 Jul 1998 20:05:09 -0800  
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [16150] FS: Yaesu FT301D HF Transceiver - de AL7FS  
Message-ID: <35BBFC74.97C1AFD2@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

Yaesu FT301D (Digital Freq. Readout) HF Transceiver w/CW filter. With manual and schematic. I believe the final power amplifier can be bypassed simply to provide a QRP only rig. The 301D is fully operational but has some problems. \$235 plus shipping. Need more details? See below.

73, Jim, AL7FS

The Model FT-301 is a precision built, all solid state, high performance transceiver providing SSB, CW, AM and FSK modes of operation covering 160-10 meter bands (no WARC).

- \* All circuits are fully transistorized with IC's and FET's for increased reliability.
- \* The tuning system is geared with a precision built vernier mechanism which provides bandspread tuning over a 16 KHz segment of the band per turn.
- \* Has noise blanker
- \* Vox
- \* semi-break-in CW with side tone,
- \* 25/100 kHz calibrator
- \* fast/slow AGC
- \* Built-in RF Speech processor
- \* Optional crystal filter is included
- \* Accepts 11 fixed channel crystals, easily selected from the front panel
- \* Input power 200 watts SSB and CW, 50 watts on AM and FSK
- \* Freq. Stability - Less than 100 Hz drift in any 30 minutes
- \* Sensitivity: .25 uv at S/N 10 db
- \* Selectivity: SSB 2.4 kHz at -6dB, 4.0 kHz at -60 dB  
CW, FSK .6 kHz at - 6 dB, 1.2 kHz at - 60 dB  
w/ CW filter....not sure. This rig has the optional CW

filter

- \* Power consumption: TX max at 280 watts (21 A)  
RX 12 watts (1.1 A)
- \* Weight: 9 kgs approx. (22 pounds) not including packing materials.
- \* No microphone
- \* No power cable

Warts:

There are some scratches on the top of the cabinet....the face is clean  
The MHz digits on the readout do not work properly. All other digits  
read correctly which leaves the rig in fully operational condition. The  
red plastic cover for the digits has bumped loose and just needs to be  
reset on the pegs. The volume control needs to be cleaned as it is a  
bit scratchy, but the rig operates just fine the way it is.

AL7FS

-----  
Date: Sun, 26 Jul 1998 21:26:01 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [16151] Re: K0EVZ Bumblebee report (long)  
Message-ID: <199807270426.VAA24361@usr07.primenet.com>

Howdy,

Doc (K0EVZ) wrote:

>  
> So it was a great afternoon. Oh I took Joe's advice and bought a  
> lightweight portable 3-legged stool. Cost only \$7.99 at Gander  
> Mountain. Has a shoulder carrying case. What a great idea, Joe.  
> Owe you big-time for this one.

Naw, just happy I could help someone else avoid the  
backaches I'd been suffering through. You can only  
hunch over a rig in the field for so long before  
"Igor Syndrome" sets in. :-) And lounge chairs don't  
travel well for self-powered Bees. Backpacking chairs  
are wonderful little beasts! Had a BB QSO with Jeff

AC6KW/BB and he said he was in a chair too. Maybe next time we'll have to do a group purchase.... \*8-)

Great weekend at Tuthill! And it was great to be back on the air! Gotta knock out some email, then unpack. Couldn't resist calling CQ when I got home tonight though. Caught Dennis K8KXK/QRP in NC on 20m. Nice to see the band staying open later. Or has it been like this awhile and I've just been away too long? ;-)

Hope everyone had a good time. Full reports to follow!

Cheers de AB7TT/BB,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

-----  
Date: Sun, 26 Jul 1998 21:37:49 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16152] Re: QRP Plus problem  
Message-ID: <199807270437.VAA25011@usr07.primenet.com>

Howdy again,

Paul (VE7CQK) wrote:

>  
> [ ... ] Jim AL7FS was kind enough to let me know that I was chirping  
> in the later part of the "flight". It may have been due to my battery  
> getting low, but I also seem to recall that someone mentioned a chirp  
> problem when the rit was activated.

The only times I've ever had chirp reports on my QRP+ was when the battery was low. I used the RIT often and never seemed to have a problem, but that's just my mileage. I'd tend to blame the battery first. The QRP+ is a bit of "juice hog" on recv compared to many other QRP-only rigs. It can wear down a battery fast if you're calling CQ alot.

Speaking of, heard you out there Paul, just couldn't catch you! Next time you won't escape so easily. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

-----  
Date: Sun, 26 Jul 1998 23:39:34 -0500  
From: aweiss@usd.edu (A. Weiss)  
To: qrp-l@Lehigh.EDU  
Subject: [16153] RE: Another Better Way  
Message-ID: <199807270439.XAA18000@sunburst.usd.edu>

Hi gang:

I've been reading the QRP-L via

<http://listserv.Lehigh.EDU/lists/Archives/qrp-l/>

where 2-3 days' posting are linked to replies etc.

You just glance thru the list and click on anything that you want to read.

Boy, a lot of "Proposal" postings, including some complaints. Well, don't exactly know what this is all about but a glance at one tells me that it had something to do with cw/licensing etc.

Didn't click on the rest.

So, if you have WEB access, try the above http and have a fun, easy read!

72, Ade W0RSP

Oh yeah -- my Altoids rig still cooking with the SLV. Only remaining problem -- a 4 to 6v p-p key click in the phones! Too bad I didn't solve this one before installing the MRX40 and my xmtr into the can. ONly would have to desolder the antenna connector, but that's too much work for now!

Look for me on 7038.8-7041.4!

I'm getting used to the micro-switch used as a key, mounted on the inside back wall of the Altoids. Only have to use

my index finger, so no trouble with tired wrist!

-----  
Date: Sun, 26 Jul 1998 23:56:32 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: vole@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [16154] Re: K0EVZ Bumblebee report (long)  
Message-ID: <35BC0880.CDB38126@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anybody remember why stools have three legs?

72/73, George  
Amateur Radio W5YR, 52 years and counting!  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403  
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Joe Gervais wrote:

>  
> Howdy,  
>  
> Doc (K0EVZ) wrote:  
> >  
> > So it was a great afternoon. Oh I took Joe's advice and bought a  
> > lightweight portable 3-legged stool. Cost only \$7.99 at Gander  
> > Mountain. Has a shoulder carrying case. What a great idea, Joe.  
> > Owe you big-time for this one.

-----  
Date: Sun, 26 Jul 1998 22:00:03 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: w5yr@swbell.net  
Cc: qrp-1@Lehigh.EDU (qrp)  
Subject: [16155] Re: K0EVZ Bumblebee report (long)  
Message-ID: <199807270500.WAA18483@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Because three legs are more stable on an uneven surface.

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

>

> Anybody remember why stools have three legs?

>

>

> 72/73, George

> Amateur Radio W5YR, 52 years and counting!

> QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

> AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

>

-----  
Date: Mon, 27 Jul 1998 01:41:05 EDT

From: Ab7wy@aol.com

To: qrp-l@lehigh.edu

Subject: [16156] Re: [CW] Happiness and Thanks! (KB9IUA now /AE)

Message-ID: <d0397266.35bc12f2@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

congratulations, i landed my extra in december after 15 years of procrastination. i was a general for 14 years, then an advanced for 40 minutes, and after i took my extra written, i sat sweating. i kept looking back over at the 3 VE's as they scuttled about my paperwork. others in the room were still testing for their various classes (nervous as i was, no doubt). the code testing was complete so it was silent in there aside from the scratching of pencils on paper and mumblings between the VE's. i then heard an almost whispered "Adam Taylor?", i looked....i saw the VE nod her head and mouth the words "you got it". i immediately jumped up and with a loud "YES!.....oops...sorry....", the others testing didnt mind too much as i was met with congratulatory grins and a few thumbs up. it was wierd, the VE's (all extras) were talking to me as a new member of the fraternity, very cool. one even asked me to look into now being a VE too.

the drive back to las vegas was almost surreal, 'wow, im an extra now....hard to believe' was what i kept thinking to myself. so regardless of the changes that are in store for our ham community, you have reached the top and no one can take that away from you. its still a source of pride for me, as im sure it is for you.

ive worked lots of good dx as a tech and a general, but ive always wanted to be an extra. still hard to believe sometimes.....heh heh, you can

even go get one of those fancy 1X2 calls now!        once again, congratulations and good job!!!

to everyone on the list, please forgive my recollection of past events but to anyone who has passed ANY ham test, im sure you can identify with the above story to some degree, im willing to bet. its always fun to think back on passing my extra...even though it was only in december :-)

so hats off to KB9IUA/AE....welcome aboard, extra op!!

73...Adam, AB7WY

-----  
Date: Sun, 26 Jul 1998 22:50:45 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16157] Re: K0EVZ Bumblebee report (long)  
Message-ID: <199807270550.WAA02580@usr04.primenet.com>

Howdy,

George (W5YR) wrote:

>

> Anybody remember why stools have three legs?

'Cuz if it had four, it'd be a horse? :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

-----  
Date: Sun, 26 Jul 1998 22:54:43 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16158] QRPTTF Results Soon  
Message-ID: <199807270554.WAA02822@usr04.primenet.com>

Howdy Folks,

Due to popular demand, I'll be posting the QRPTTF '98 results

soon. Give me a week or so to clean things up, and I'll have them ready to go. Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Manager,  
NorCal QRP, AZ ScQRPions, and many other fine,  
furry groups....

"It's hard to be unhappy when you have warm feet."  
- Dave, Fellow Snow Camper

-----  
Date: Mon, 27 Jul 1998 02:12:53 EDT  
From: lya@juno.com (Lorraine Y Aubert)  
To: qrp-l@Lehigh.EDU  
Subject: [16159] Bees  
Message-ID: <19980726.223731.2207.1.LYA@juno.com>

I managed to nab 11 Bumblebees! Hads lots of fun not considering the wicked deer flies which chewed on me. Had to quit 45 minutes early because of them.

I love this contest--Russ is a genius for coming up with it. I'll definately be buzzing around next year.....

Lorraine, AC6XK, Queen Bee #1

-----  
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Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 27 Jul 1998 07:04:57 -0700  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: QRP-L@Lehigh.EDU  
Subject: [16160] N6MM Bumblebee report (long)  
Message-ID: <35BC8909.921@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A new form of QRP activity for me, i.e. backpacking with amateur radio. The old Kelty backpack has been collecting dust for a while, but it was



up to the task. I took the "kitchen sink" and used this as a learning experience, since I did not have time to construct light weight accessories and cannot send worth beans with light weight keys.

Summary:

Band:	QSOs:	Known BBs:	States/Prov.
40m	10 4	3	
20m	37 13	21	
15m	8 1	7	Nice surprise
10m	0 0	0	Tried the band three times.

Score:  $((10 + (45)2) \text{QSO pts})(18 \text{ BBs}) = 1800 \text{ points}$ .

Location: Mt. Pinos CA (two miles each way, about 8000+ft AMSL).

Observations: As noted by others a great deal of QSB on all bands especially 15m. I found it very difficult to use search and pounce, because I was not being heard that well; so I resorted to depending on CQs and continually searching out a reasonably clear frequency. I suspect that this will explain a very low BB factor in my score, but the flora and weather was great, and I saw several of the real bumblebee types crusing the flowers. There were layers of stations heard on 20m.

It was great to hear 15m open (on my second visit there) and next time the 40m dipole will be oriented to favor an east-west path or I will use a 15m antenna. Stations heard on 15m but not worked:

K8CV at 1737Z (got him on 20m later)

W4DU at 1845Z

AB7CE at 1905 to 1925Z (calling many unanswered CQs)

I used the 40m dipole on 15m and tried both the 40m and 20m dipole on 10m, but heard no activity. I expended quite a bit of time on 15m and 10m, since I considered this outing to be a learning experience. I worked N6GA on three bands and tried to move Cam to 10m but he had not built his 10m module yet (must have been a Sierra) and will, therefore, endure some harassment at a future swap meet. I almost managed three bands with Bill, KD7S; but he did not hear me call him on 20m.

Friday preceding I got the Sierra power up on 17m, 15m, 12m and 10m but did not have time to tweak the 20m and 30m modules. I am using the MRF-237 modification. I finished a CMOSIII keyer on Saturday and built dipoles for 40m and 20m as well as tuned half-wave coaxial lines for each antenna. I did manage to tune the 20m antenna late Saturday (heard N0UR on 20m but could not raise him - he was going to bed), but tweaking of the 40m antenna was done at the location. I did work N0UR during the BB activity, however. I only got 3.5 hours of sleep the night before (very poor planning), but the weather was so good it was still a joy.

Here is the kitchen sink: Sierra, OHR DD-1 and WM-1, EMTech ZM-1, Heath 1 watt audio amplifier and Motorola speaker, over the ear headphones, Vibroplex paddle, CMOSIII keyer, 40m and 20m dipoles, a "Sling-a-line", Autek RF-1 and two 7 Ah gel cell batteries (only one used). Power

output: 40m 4.0 watts, 20m 2.5 watts, 15m 2.0 watts and 10m 1.5 watts.  
Yes, I used a speaker for much of the activity (I am normally a  
headphones type). A lot of room for both space and weight reduction in  
this package.

Question: Back in the days of the old ARRL CD parties folks would gather  
on 15m on the hour and on 10m on the half hour. Do you think an  
informal arrangement like this would help to encourage more activity on  
those bands?

No mosquitos, flies or ants ... absolutely fantastic, T-shirt weather.  
Even found two suitable rocks and used one as the table and the other as  
a back rest. I'm looking forward to the next one and will make time to  
develop some lighter weight accessories.

73, Harvey, N6MM

-----  
Date: Mon, 27 Jul 1998 09:16:17 +0200  
From: Paolo Sassoli <Paolo.Sassoli@italtel.it>  
To: Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>  
Subject: [16161] BD139 as HF final amplifier  
Message-ID: <35BC2941.2D55FE45@ii1sh01.settimo.italtel.it>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,  
does anybody know if the BD139 (nnp transistor) could be used  
as final stage in a QRP tx for HF (possibly 10 meters)?

And if so, any suggestion for the output matching network?

I've seen it some times used as driver in HF stages and, not being  
interested  
in QRO I thought it could put a couple of watts on air.

Thank you all.

72 de Paolo IK2LNH

-----

Date: Mon, 27 Jul 1998 08:44:28 GMT  
From: n3bj@hotmail.com  
To: qrp-l@Lehigh.EDU  
Subject: [16162] FS: S+S ARK20 qrp xcvr  
Message-ID: <199807270844.DAA06172@x5.dejanews.com>

For Sale: ARK20 xcvr in like new condition, with internal keyer, works great. Probably the best receiver of any qrp rig. With original manual.

\$210 shipped

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Mon, 27 Jul 1998 08:47:43 GMT  
From: n3bj@hotmail.com  
To: qrp-l@Lehigh.EDU  
Subject: [16163] FS: OHR Classic qrp rig  
Message-ID: <199807270847.DAA06187@x5.dejanews.com>

For Sale: OHR Classic qrp rig, 20/40 meters with internal keyer. Works fine, in like new condition, with original manual. Good receiver, good selectivity and AGC.

\$150 shipped

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Mon, 27 Jul 1998 08:50:46 GMT  
From: n3bj@hotmail.com  
To: qrp-l@lehigh.edu  
Subject: [16164] FS: SST40 qrp xcvr  
Message-ID: <199807270850.DAA06199@x5.dejanews.com>

FS: SST40 qrp xcvr, like new condition, good construction, novel rig with good receiver, works fine. Original manual.

\$75 shipped

Alan, N3BJ

Bent Mountain, VA

-----  
Date: Mon, 27 Jul 1998 06:00:25 EDT  
From: K4NK@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [16165] F.S. HW-8 etc.  
Message-ID: <aff08f53.35bc4fba@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

FOR SALE:

HW-8 with tick keyer built in. Electricly 100% cosmetically 85% with manual will ship for \$80.00

Also Icom IC2at handhelds (2) and IC4at (1) with many extras .5 or 6 batterys,DC moduals ,cases ,spk/mics big BC35 charger, etc. ,etc. inquire...\$250 for package.

please contact K4NK Les

and...I need a CW filter for a SB-104A....model 404-548-1 ...thanks

-----  
Date: Mon, 27 Jul 1998 04:18:59 -0700  
From: "Francis Callahan" <colcal@srv.net>  
To: <nhoop@centuryinter.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [16166] Re: UPS Gorillas  
Message-ID: <199807271020.EAA27044@srv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Just finished shipping 2 radios and 2 amplifiers and a bunch of other stuff from an estate through UPS every item made it through in perfect condition also recieved about a dozen items bu UPS in the last year and came through in fine shape must be a local unit doing the damage. 73 Cal KF7ET

-----  
> From: Nat H <nhoop@centuryinter.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Re: UPS Gorillas  
> Date: Sunday, July 26, 1998 7:48 PM

>  
> >> I have shipped and received numerous items via UPS - radios, amps,  
antennas,  
> >> accessories, etc. In each case the item arrived in perfect condition,  
never  
> >> a crushed box or any sign of damage. From all the negative posts I've  
seen,  
> >> I guess I must have been really lucky...  
> >>  
> >> 73 de KF6KNB  
> >> -----  
>  
> No, that's my good experience with them too.  
>  
> 73 Nat KM5QU  
>  
>

-----  
Date: Mon, 27 Jul 1998 06:22:00 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [16167] Re: ANTENNA THOUGHTS  
Message-ID: <Pine.GS0.3.96.980727061850.16609B-1000000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 26 Jul 1998 ARDUJENSKI@aol.com wrote:  
> >From you older (and sometimes wiser) hams in the group can you give me some  
> advise as to which may perform better?  
>  
> ANTENNA 1: Two HAMSTICKS (or equivalent) used as a rotatable dipole  
>  
> ANTENNA 2: 4 HAMSTICKS (or equivalent) with one being used as a vertical and  
> 3 as radials  
>  
> CONDITIONS: Restricted space or backpacking. Elevation 6 ft or less (base)

Alan,

Actually, 2 are all you need for both vertical and horizontal. Make up a  
center point that will let one of the antenna go up or go sideways--with  
the other sideways. In one mode, you have your dipole; in the other, you  
have an L-antenna--which you can alternatively think of as either a  
one-radial vertical or as an inverted Vee tilted over. In the

L-configuration, you get both horizontal and vertical polarization, since the one leg does not form a cancellation field. Result is a max of 2 hamsticks and some options in the field depending on conditions, terrain, etc.

Hope this is useful.

-73-

LB, W4RNL

-----  
Date: Mon, 27 Jul 1998 07:53:56 -0400  
From: mikemo@ibm.net  
To: qrp <qrp-1@Lehigh.EDU>  
Subject: [16168] Elmer 101: Mute FET  
Message-ID: <35BC6A54.B8A@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a question. Will Q1 turn on without C24 installed?  
Is C24 just to add a delay in turn on?

72 de ku4qo  
Mike Maiorana

-----  
Date: Mon, 27 Jul 1998 09:33:00 -0400  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: QRP List <qrp-1@Lehigh.EDU>  
Subject: [16169] Elmer101: Question on part 8  
Message-ID: <m0z0mPM-000Zh0C@mgate.arrl.org>

Okay, okay, so I'm running a bit behind. :-)) I completed parts 7-9 and some of part 10. Now I have a question about part 8. In the kit manual, it says that RFC1 and C12 are swapped, reflecting the physical layout of the board. I assume this means that it doesn't matter which order they appear in and that Dave swapped them because it was too difficult to route the traces and place the components the other way.

The thing I am having trouble with is this - why doesn't RFC1 effect the filter's shape and why doesn't C12 effect the impedance matching in this "swapped" position? Or is it that they do, but not significantly? I am intrigued by this because, as a neophyte designer, it isn't intuitive to me when one can "get away" with this.

73/72, Michael Tracy, KC1SX

-----  
Date: Mon, 27 Jul 1998 20:16:27 -0400  
From: cy r currier <crc3@telplus.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'macstein@cftnet.com'"  
<macstein@cftnet.com>  
Subject: [16170] RE: Sked with Elmers and friends  
Message-ID: <01BDB99F.753E55C0@bgr115.lobster.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

i heard doc on 20 but he didn't hear me. last of the day. his "test" had =  
me confused initially. i can't fault doc as no none on 20 heard me. =  
maybe the  
bumble bees could turn their verticals toward the n.e. hihi. got 3 bees =  
and had a good time. that's what it's all about. i need to practice. =  
took 31 minutes to set up in camper. hope next flight bands aren't so =  
terrible. maybe an Eskimo mush during winter. later. cy - k1tes=20

-----  
From: Mac Steinmeyer  
Sent: Sunday, July 26, 1998 9:21 PM  
To: Low Power Amateur Radio Discussion  
Subject: Sked with Elmers and friends

Hi Gang,

I just want to publicly thank DOC, K0EVZ for digging me out of the noise tonight. He has been encouraging me along ever since I got on this list (I'm #704). Some time ago when I posted about weak sig operating, he =  
wrote  
me to offer tips and encouragement. I finally got back to him to =  
arrange a  
sked. He offered to sked a contact tonight even after working as a =  
"one  
armed" BumbleBee. I heard him from MN down here in FL on the first =  
CQ...  
however, I had to fight off TWO new hams with "first contacts" to get =

back  
to Doc. KF4UHO in KY and CL7AU (I think) in Cuba jumped on me 599 to =  
Doc's  
559. I knew Doc wouldn't mind me encouraging new CW ops before I could =  
get  
back to him.

QRM, QRN es QSB abound, 'ol Doc came through. Thanks a ton for the =  
"house  
call" Doc.

-Mac-

73/72 KF4KSM                      Grid Sq: EL88rd  
email: macstein@cftnet.com

-----  
Date: Mon, 27 Jul 1998 20:43:57 -0400  
From: cy r currier <crc3@telplus.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>, "'w5yr@swbell.net'"  
<w5yr@swbell.net>  
Subject: [16171] RE: K0EVZ Bumblebee report (long)  
Message-ID: <01BDB99F.7A833640@bgr115.lobster.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

they were invented by an unskilled craftsman who had trouble keeping =  
four legs from warbling. all his stools were way too short by the time =  
the warble was taken out. he sold to children and small adults but had =  
a limited market.

cy - k1tes

-----  
From: George T. Baker  
Sent: Monday, July 27, 1998 12:56 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: K0EVZ Bumblebee report (long)

Anybody remember why stools have three legs?

72/73, George  
Amateur Radio W5YR, 52 years and counting!



QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403  
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Joe Gervais wrote:

>=20

> Howdy,

>=20

> Doc (K0EVZ) wrote:

> >

> > So it was a great afternoon. Oh I took Joe's advice and bought a

> > lightweight portable 3-legged stool. Cost only \$7.99 at Gander

> > Mountain. Has a shoulder carrying case. What a great idea, Joe.

> > Owe you big-time for this one.

-----  
Date: Mon, 27 Jul 1998 08:49:52 -0400

From: "Larry N. Fraysier" <fraysier@mounet.com>

To: <rfoltz@wsunix.wsu.edu>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>

Subject: [16172] Battery for backpacking?

Message-ID: <199807271348.IAA26569@ns2.mounet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

I need a 12 volt battery for outings..hiking, camping, etc. to power QRP  
rigs of 2-5 watts output. What do you suggest and where can I purchase?

Thanks,

Larry - N4HIT

-----  
Date: Mon, 27 Jul 1998 09:34:43 -0400

From: Zack Lau <zlau@arrl.org>

To: qrp-l@Lehigh.EDU

Subject: [16173] Re: Bumble Bee Call Sign

Message-ID: <35BC81F3.6456@arrl.org>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Randy Foltz wrote:

> I think I added /BB to the new call everytime.

Can you count the multiplier even if you didn't log  
the /BB?--Zack W1VT

-----  
Date: Mon, 27 Jul 1998 09:30:40 -0400 (EDT)  
From: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>  
To: qrp-1@Lehigh.EDU (qrp-1)  
Subject: [16174] SEO RAT "Bumblebee" Report  
Message-ID: <199807271330.JAA19135@oucsace.cs.ohiou.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Three members of the Southeast Ohio Radio Adventure Team traveled to Lake Hope State Park in southeast Ohio for the Adventure Radio Society's 1998 Flight of the Bumblebees. Participants were Mike Hansgen, AA8EB; Drew McDaniel, W8MHV/9M2MC; and Eric McFadden, WD8RIF.

Mike and Eric parked at Oak Point picnic area and hiked the approximately one-mile-long path through the forest to the operating site at Grouse Point picnic area. The path dropped some two-hundred feet from Oak Point to the lake and climbed a similar amount from the lake to Grouse Point. It was a strenuous hike. Drew arrived (by car) at Grouse Point after Mike and Eric completed the hike and opted to not hike or bike (even though he'd brought his bicycle) and his subsequent operations were not as a Bumblebee.

Eric brought his complete QRP Station in a Bag and carried it on the hike. (After last year's Flight of the Bumblebees, Eric thought the station was too heavy. After this year's event, he still thought it was too heavy and finally weighed it--it was thirteen pounds, a lot of weight to be carried on a single shoulder-strap!) Drew brought his MFJ-9020 and tiny homebrew antenna tuner and SWR bridge.

Upon arriving at Grouse Point, Mike suspended his 15m delta-loop, Eric erected his W3EDP wire antenna, and Drew suspended his portable RG174-fed 20m portable dipole, the very same one he used during his year in Malaysia.

Drew operated as W8MHV on 20m, and found it rough going. He managed

seven QSOs during the event.

Eric had pre-registered as a Bumblebee and operated as WD8RIF/BB, starting on 40m and working thirty-two stations before changing to 20m and working two more. All but two of Eric's 40m QSOs were the result of calling "CQ". Despite its weight, Eric's QRP Plus station worked well. For this event, the W3EDP was arranged with the 17' wire as a parallel feedline, following the recommendations of Charlie Lofgren, W6JJZ. This arrangement seemed to work very well.

The weather for this event was just about perfect. The temperature reached a comfortable 80 degrees, there was just enough breeze for comfort but not enough to blow the papers off of the picnic tables, and the tall second-growth forest trees provided good shade from the sun.

Once again, this event was a great deal of fun. The members of the Southeast Ohio Radio Adventure Team look forward to next year, and they extend their thanks to the Adventure Radio Society, to all the station who worked us, and to all the other Bumblebees who hit the trail.

--

W. Eric McFadden WD8RIF Athens OH  
wd8rif@qsl.net  
<http://www.qsl.net/wd8rif>

-----  
Date: Mon, 27 Jul 1998 08:36:54 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <mtracy@arrl.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [16175] RE: "Green" solder  
Message-ID: <19980727133656134.AAA206@muenzlerk>

Taking the risk of sounding out of touch, what is "green solder?"  
I assume it is solder that doesn't contain lead and has soybean rosin? OK, I'm probably not right about the soybean part.  
I have seen solder that contains silver and/or antimony and copper. I've also seen solder that has water soluble rosin. Radio Shack sells silver bearing solder (2%). You could probably get away with Tin-only solder. I've seen that too but it isn't very strong.

Kevin, WB5RUE  
wb5rue@stic.net <http://www.qsl.net>

If God didn't mean for us to eat animals why did He make them out of meat?

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Tracy, Michael, KC1SX

> Sent: Sunday, July 26, 1998 11:29 AM

> To: Low Power Amateur Radio Discussion

> Subject: "Green" solder

>

>

>

> Hi All,

> I have seen a few references to

> environmentally-friendly solder over

> the past couple of months and I'd like to know more about it.

> I've looked

> around a bit with a few search engines, but I can't seem to

> find quite what

> I am looking for. Anyone have some good references (for more  
> info) and/or

> sources (where to buy) on this stuff?

>

> Thanks es 73/72, Michael Tracy, KC1SX

>

>

-----  
Date: Sun, 26 Jul 1998 21:51:59 -0600

From: Brad Mugleston <bmug@gwl.com>

To: "'qrp-1'" <qrp-1@Lehigh.EDU>, "'homebrew'" <homebrew@qth.net>, "'cw'" <cw@qth.net>

Subject: [16176] /mm, Antenna & Lake Powell Thanks

Message-ID: <01BDB932.88A8A920.bmug@gwl.com>

I want to thank everyone for their help in my Scout trip to lake Powell.

The trip was fun, weather was warm (115 degrees in the shade), the water was warm 80 degrees +- and the bugs were low. Radio, well the radio wasn't too great.

We got there Tuesday evening - I was going to try /m but the antenna

arrangements I had available before hand didn't seem to want to work on the road. The first night was on a "beach" (very rough description of what we were on) The largest plan life was about 3-4 feet tall, it was hot and I was tired. We were planing on getting up early and skiing/moving so I didn't bother to set up.

At sunrise the next morning it started to warm up (it got real HOT). We packed up camp and took off. 35 people and 7 boats. Spent most of the morning trying to find a place large enough to camp. Found a nice spot and set up camp. Did some skiing and went to bed - it was too hot to do anything not in the water. I got up early the next morning 5:30 and volunteered to stay behind with those that didn't want to ski (I needed to get my tower up). I'd brought two 10 foot sections of PVC pipe (one fit in the other). Extended it was about 19 feet and with the bend 17 to 18 feet off the rocks. I hung my 150 foot twin lead fed dipole and started to play.

Using my ZM-1 and RF-1 I was able to tune up on 20M and above (couldn't get 30 or 40 tuned in). Tuning around I was able to hear some things but no one seemed to be able to hear me. There was a SSB Mobil Home Net on that was evening looking for QRP checkins (I was a little disappointed the would ask for checkins then hardly listen, by the time I got my call out once they had already gone on to something else).

Any way I copied a little code and got hot. By 10:00 I went for a swim and called it a day.

That evening I tried again - there must have been something about the 1,000 foot cliffs surrounding me, I just couldn't be heard on my 3 Watts.

Next morning I got up and tried again, did some skiing and tore down my station as we were moving back to where we started so we could get an early start home.

Thanks again for all those who helped me with equipment, ideas, suggestions and especially those who listened for me - did anyone hear me?

de KB0ROL, Brad

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Date: Sun, 26 Jul 1998 21:56:23 -0600  
From: Brad Mugleston <bmug@gw1.com>  
To: "'qrp-l'" <qrp-l@Lehigh.EDU>, "'homebrew'" <homebrew@qth.net>, "'cw'" <cw@qth.net>  
Subject: [16177] Antenna Help - NEC4WIN  
Message-ID: <01BDB932.920D7220.bmug@gw1.com>

I was wondering if someone could help me with Nec4win and designing a 450 Ohm ladder fed dipole. What I need are ways to:

Use the ladder line (if different than just two lines the correct distance apart) and how does one use a tuner in that design? I am trying to see why my dipole (see previous message) didn't work below 20M.

Thanks

de KB0ROL, Brad

-----  
Date: Mon, 27 Jul 1998 10:32:06 -0400  
From: "John P. Spoonhower" <spoon@kodak.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16178] help with article  
Message-ID: <35BC8F66.4DB0@kodak.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am looking for 2 article on the Drake TR-7; can one of you guys (or girls) help me out with this. The first appeared in the Summer 1992 issue of Communications Quarterly and the other was in Ham Radio August 1987 "Better Freq. Stability for the TR-7". I do not know the authors...sorry. If someone on the list could copy these for me I'd appreciate the effort. I'd be happy to cover the costs of copying and postage.  
Thanks & 72, John, KC2DU

-----  
Date: Mon, 27 Jul 1998 10:46:47 -0400  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [16179] Re: Antenna Help - NEC4WIN  
Message-ID: <35BC92D7.24C1@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

> I was wondering if someone could help me with Nec4win and designing a 450

> Ohm ladder fed dipole. What I need are ways to:

> Use the ladder line (if different than just two lines the correct distance  
> apart) and how does one use a tuner in that design? I am trying to see why  
> my dipole (see previous message) didn't work below 20M.

If you modeled it as you described, that should work fine. When I have done similar modeling, I modeled the antenna element as one wire, fed in the center, modeled each of the feed-line wires as separate wires, and modeled a wire connecting the two feed-line wires at the feed point, fed in the center.

>From there, any version of NEC should be able to estimate the complex feed point impedance.

If it didn't work below 20 meters, you may have a resultant feed point impedance that is outside the range of the tuner. Unfortunately, NEC-4 doesn't "optimize" easily, so you would have to add additional wires and loads to approximate the tuner, then manually adjust them until you found a "match" -- a very time consuming process. MININEC should give a reasonable result for this antenna, so perhaps Brian Beezley's Antenna Optimizer would let you optimize to calculate the values needed to match all this to 50 ohms.

It might be easier to run the TLA.EXE program that is part of the ARRL Antenna Book companion software disk. This will let you plunk in the impedance factors and will tell you what values you need in the tuner to match that to 50 ohms. If you get a required inductance of 1800 uH or 0.04 pF, you will probably have a good idea that the antenna tuner can't handle it.

If you want to send me the NEC-4 model, I can verify that the model is indeed what you think it is. I can accept email attachments.

73,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Mon, 27 Jul 1998 09:03:02 -0600  
From: "Tom Quayle" <tquayle@in-tch.com>  
To: <colcal@srv.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [16180] RE: UPS Gorillas  
Message-ID: <000c01bdb96f\$a6947ee0\$592b81d0@tquayle>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have heard that beginning the first of August UPS will require that outgoing parcels will have to be brought in unsealed for inspection before they will accept the package for shipping. If you live in an area where UPS operates in a remote warehouse, open only from 4pm to 8pm, this will add another level of aggravation to using the so-called service. I have not heard how this will be dealt with by 3rd party shippers such as Mailboxes, Etc.

-----  
Date: Mon, 27 Jul 1998 09:57:04 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: crc3@telplus.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [16181] Re: K0EVZ Bumblebee report (long)  
Message-ID: <35BC9540.911630C8@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Lots of close answers but no one gave exactly what I had in mind:

- o Three is the smallest number of legs that will allow the stool to stand unconditionally without additional support.
- o Three is the only number of legs that will allow the stool to stand in equilibrium on any surface, regardless of its profile: plane, sphere, etc.
- o Four or more legs will not allow the stool to stand in equilibrium on any surface except a plane.
- o Two legs make the stool unconditionally unstable such that it cannot stand unaided on any surface (momentary "balance" doesn't count - not part of the definition of stable).

Just a few idle thoughts dredged up from some high-school physics lecture.

Sorry, Doc, to cadge onto your email for this nonsense! Bet you won't so casually mention stools again!



72/73, George  
Amateur Radio W5YR, 52 years and counting!  
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403  
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

cy r currier wrote:

>

> they were invented by an unskilled craftsman who had trouble keeping four legs  
from warbling. all his stools were way too short by the time the warble was taken  
out. he sold to children and small adults but had a limited market.

> cy - kites

-----  
Date: Mon, 27 Jul 1998 10:13:34 -0500  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@lehigh.edu>  
Subject: [16182] Heath Repair  
Message-ID: <013e01bdb971\$1fb5e7e0\$4d0b9595@Jeffro.cc.tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Good morning. Anyone know any reliable and reasonable Heath repair places. I  
have a HW9 that is haunted (maybe need an exorcist). It happened once  
before.. worked perfectly all bands.. left the radio off for a few months  
and now not much power output. It must be jealous.

72

Jeff

-----  
Date: Mon, 27 Jul 98 10:23:52 CDT  
From: QLF%[mimi@magic.itg.ti.com](mailto:mimi@magic.itg.ti.com)  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [16183] FLIGHT OF THE BUMBLEBEES  
Message-ID: <9807271523.AA00438@itg.ti.com>

From: Brad Bradfield

QLF

Subj: FLIGHT OF THE BUMBLEBEES

Good morning Bees and Bee Chasers - -

Had a great time during the Flight of the Bumblebees yesterday. Operated from Willow Grove Park on Lake Lewisville, North of Dallas, TX about 35 miles.

Did not get on the air till just 1800Z because of church, but made 36 QSO's in the three hours that I did operate. Even took a few minutes out when my darling wife showed up with a plate of hot enchiladas. (Eat your heart out!!)

Haven't figuree out my score yet, but had fun. Equipment was my Sierra, MFJ tuner, gel cell, CMOS Super Keyer III, Brown Brothers paddles, and 65 feet of end fed wire up 25-30 feet.

BTW, yesterday was the 21st CONSECUTIVE day over 100 degrees, and the 34th overall for the summer. I watched the temperature during the Flight, and it ran between 100 and 104. Sure glad I had shade and plenty of water. Today is supposed to be up near 105 again. Oh, well.

Non-QRP comment, but . . . . Since new moon was late last week, I went out last night with a friend and our telescopes. Mine's an 8" Schmidt-Cassegrain and his is a 13" reflector on a Dobsonian mount. Nice sky and good time. So between spending the afternoon in the 100+ heat, and staying out till mid-night, Brad's kind of dragging this morning.

72's es 73's,

Brad, WB0CGH

qlf@msg.ti.com

QRP-L # 377

ARS # 72

-----  
Date: Mon, 27 Jul 1998 08:20:53 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Tom Quayle <tquayle@in-tch.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [16184] RE: UPS Gorillas  
Message-ID: <Pine.BSI.3.96.980727081503.21691A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Jul 1998, Tom Quayle wrote:

> I have heard that beginning the first of August UPS will require that  
> outgoing parcels will have to be brought in unsealed for inspection before  
> they will accept the package for shipping. If you live in an area where UPS  
> operates in a remote warehouse, open only from 4pm to 8pm, this will add  
> another level of aggravation to using the so-called service. I have not  
> heard how this will be dealt with by 3rd party shippers such as Mailboxes,  
> Etc.  
>

The UPS yard here in Tempe has been doing this for over 2 years.  
Even if I'm shipping an assembled PCB, they refuse to accept it unless  
it's double-boxed. I have long since discovered that the Post Office is a  
far better deal, in service, cost, and accountability.

A number of people rediscovered the Post Office during the UPS  
strike and have not gone back to UPS since. I haven't gone in over 2  
years.

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    / extinct stuff, anyhow? \
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Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Mon, 27 Jul 1998 07:31:13 -0600  
From: tom whalen <[whalen@swcp.com](mailto:whalen@swcp.com)>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [16185] Contest fun!

Message-ID: <35BC8121.4EB3@swcp.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello QRPer's!

Had a good time during the BB contest! Worked only 12 stations, but wasn't too bad considering the trouble I had. Got set up with the Emtech 20, J-pole wire antenna. Everything was going fine, and was really getting stung by those hungry bee's!! Then, everything just quit! HMMMM...Yep, the old battery was not as charged as I thought! OH well, back down the mountain and get another one. Didn't have the time or energy to hike back to the same spot so just operated from the back yard for another hour.

Had a good time while it lasted! WE6W ED, had real neat echo to his rig, really stood out and I thought it sounded good with his fine fist on the bug...Dont know what that was ED, but it sounded neat! How bout sharing that lil secret with us?

DOC KOEVZ, first contest I have been in that I did not work you?

Worked K1MG,N1FN,W7Z0I,N4S0 and others.

So, way to go Cam! Nice contest, and 4 hours is just right!

72,Tom WB5QYT

--

Enjoying QRP and QRP-L!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, HW-8,St.L tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-Kite antennas- RR mobile

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Date: Mon, 27 Jul 1998 10:52:07

From: Roger Braker <msebrakr@telepath.com>

To: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Cc: qrp-l@Lehigh.EDU  
Subject: [16186] Re: 6 meter homebrew  
Message-ID: <3.0.1.16.19980727105207.49efdc12@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Jim and the group,  
What about the transistors. They don't appear to be standard modle numbers. I saw some of them in an RF parts catalog but they don't seem to have some of them. I don't know of any other supplier that has those kind of part numbers Does anybody know where I could obtain them.

73,  
Arnold kd5ckh

At 10:48 AM 7/27/98 -0400, you wrote:

>Arnold....everything for the 6 meters SSB rig is easy to obtain except  
>for the Mizuho 11.2735 MHz crystal filter and the BF0/OSC crystals at  
>11.272 MHz. This filter is quite expensive and not readily available  
>in the states. I know, I've looked into it already since I have  
>a pair of Mizuho SSB rigs and was interested in getting more of  
>the crystal filters they build. One could substitute a filter  
>made with some computer crystals near the same frequency though  
>and probably have a comparable rig. I'd probably use crystals  
>at either 11.0592 MHz or 11.228 MHz, both available from Mouser  
>and I'm sure other sources.

>

>Just my opinion.....but you did ask! :-)

>

>72.....Jim, K8IQY

>

>

>

>

-----

Date: Mon, 27 Jul 1998 11:51:28 -0400  
From: jim nestor <nestoji@home.com>  
To: qrp-l@lehigh.edu  
Subject: [16187] coaxial dipole  
Message-ID: <19980727155221.AAA523@cc652944-a.ewndsr1.nj.home.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Oh Antenna Wizards...

I am looking for a simple, lightweight antenna to use with the SST20.  
WITHOUT A TUNER.

Vaguely remember seeing something awhile back about a coaxial dipole consisting of a 1/4 wave of coax connected to a 1/4 wave wire radiator creating an end-fed 50 ohm dipole. As I recall, the tricky thing was to decouple the 1/4 wave of coax from any add'l feedline using a toroid or something like that.

My thought was to make the thingy out of RG-174 and #24 hookup wire to keep it really small and light.

Questions:

Do I need to consider the velocity factor of the coax in calculating the length of the coax portion?

What is the "secret" decoupler? Will a coil of the coax work as a RF choke? How about some turns wound around a toroid? Remember, I want to keep it small and light weight.

How about no choke at all, just connect the 1/4 wave coax portion right to the rig?

Any additional info about this antenna design would be appreciated.

The only Bumblebees I saw yesterday were some "Yellow Jackets" in the backyard. But, I did work a dozen or so with my new SST20 with internal TICK surface mount keyer, a camcorder battery, and a skeleton cone antenna from the same backyard. Great contest idea. All I have to do now is lose 50 lbs and buy a canoe for the next one...

72,

Jim, WK8G/2  
nestoji@home.com

-----  
Date: Mon, 27 Jul 1998 11:51:22 -0400  
From: Ken Newman <n2cq@citnet.com>  
To: QRP-L@Lehigh.EDU, epaqrp-1@Lehigh.EDU

Subject: [16188] N2CQ/BB Report  
Message-ID: <1.5.4.16.19980727154913.3fa7a6b8@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Group,

Thanks for the QSOs on the Bumblebee Flight, Bees or non-Bees.  
Did not do well at all on 20 meters though. No QSOs to the northwest at all including MN and other stations not answering. Must have a definite null in the antenna pattern. Some tried to copy but no luck.  
Good signals to SW including MO/TX/OK/NE etc, and one to CA.

The location was at Red Bank Battlefield Historical Park in Gloucester County NJ. It used to be a defense for Philadelphia Harbor on the Delaware River.

Found a good tree at the far end of the battlefield and got the line over the chosen limb with the Antenna Launcher on the first shot, about 40' up. I chose the St. Louis Loop since it was ok on both bands during the TAC and vacation trip earlier.

I fit in to the WALKING category for the bees and made 6 trips overall between the car and the chosen tree. Definitely walked over a mile or two. Not the way to make a mountain climb like the Northwest Bees do.

In general a good day but not good on 20 m on longer haul. Total 49 QSOs including 22 on 20 and 27 on 40. Only 16 Bee QSOs to end up with a below average (3408) score. New antenna arrangement next time for sure for 20 m.

72/73,  
Ken Newman, N2CQ  
Woodbury, NJ  
N2CQ@Citnet.com

-----  
Date: Mon, 27 Jul 1998 11:59:44 -0400  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
To: qrp-l@Lehigh.EDU  
Subject: [16189] Re: ARRL Zombies was: Re: Porposal? ....  
Message-ID: <35BCA3F0.4147@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Clay N4AOX wrote:

I had decided that I wouldn't post any more on this topic here, as it is off topic for QRP-L, but, in this case, I just had to make an exception, mostly because the topic of the post seems to question my right to participate in discussions heer. Those who want to discuss the restructuring with me off line are welcome to do so, or join me on rec.radio.amatuer.policy. :-)

> Am I seeing ARRL Zombies on this reflector?

Clay, I assume that you mean me, and let me assure you, I am not an "ARRL Zombie" by any stretch. I think over the years, my participation here has been open, candid and helpful. They don't pay me enough to lie.

On a related note, quite honestly, I don't think you had any call to insult me. I do not believe that my conduct with my colleagues on this forum has warranted such a slight.

> According to the Date/Time/Location stamp of Ed's posting, Ed has the  
> ARRL idea, not necessarily the right idea.

No, Ed has Ed's ideas. Considering the hours I usually put in, I think that if I choose to spend some time on my mid-afternoon break discussing current issues in Amateur Radio with my friends on the reflector, I think that some would see that as a fine, thing, indeed. (Do you spend your coffee breaks discussing your industry with others outside your company?)

The normal convention on USENET newsgroups and reflectors is that those who post from company accounts are presumed not to be speaking on behalf of their employer. In the case of ARRL, this is true in one sense because those of us who choose to participate are not doing so at the request of ARRL management. On the other hand, we, like anyone else who posts from their office machine, and even if we post from home, would be expected not to post things that are harmful to our organization. (A Ford employee would not post that GMs are better than Fords, for example.)

In some areas, such as ARRL laboratory testing, I clearly can and do speak for ARRL policy. In others, if I have personal knowledge of what ARRL policy might be, I can explain that policy to people. In other areas, I speculate, just like everyone else. And, like everyone here, I am "Joe Ham" and an avid (albeit not very active of late) QRP'er.



I think that most people are able to sort through this okay and determine from context where Ed Hare ends and where ARRL policy begins. There are some who might think that Ed Hare posts only the "company line." Others might think that Ed Hare posts only what he believes to be true about ARRL and its policies. I can tell you that the latter is the case -- if I say it, I believe it; if I don't believe it, as a minimum, I keep my mouth shut. However, to help let people make up their own minds, I add my affiliation and job description to my signature.

I think from context that you can probably fathom that the ARRL Lab staff has little to do with the ARRL position on Morse code testing. I personally think the Board has come up with a position that is a good compromise and I am therefore personally and professionally willing to share those views with other hams.

73, Ed Hare, W1RFI  
ARRL Laboratory Supervisor

"I work for ARRL because I believe these things; I do not believe these things because I work for ARRL. -- Ed Hare"

-----  
Date: Mon, 27 Jul 1998 11:57:46 -0400  
From: Joseph Trombino jr <joebarb@wilmington.net>  
To: QRP-L@Lehigh.EDU  
Subject: [16190] Group Buy for LMC 662 (low current NE5532)  
Message-ID: <3.0.1.32.19980727115746.006cb550@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRP'ers:

Read a posting to the list today mentioning a group buy for LMC662's (low current version of NE5532). I must have been asleep at the switch and missed the details on how to sign up for the group buy. I would like to try the NE5532 or the LMC662 in my homebrew xcvr. If I did in fact miss out on the buy, does anyone have 2 chips to spare?? I could even use the NE5532's if anyone has a couple to part with.

Cheers and regards, Joe W2KJ

-----

Date: Mon, 27 Jul 1998 11:11:44 -0500  
From: Mike - W0TMW <crucis@sky.net>  
To: ehare@arrl.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [16191] Re: ARRL Zombies was: Re: Porposal? ....  
Message-ID: <35BCA6C0.71528B7E@sky.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well said, Ed.

Mike - W0TMW

Ed Hare, W1RFI wrote:

>

> Clay N4AOX wrote:

>

Snip!

>

> 73, Ed Hare, W1RFI

> ARRL Laboratory Supervisor

>

> "I work for ARRL because I believe these things; I do not believe these

> things because I work for ARRL. -- Ed Hare"

--

=====

Mike Watson, W0TMW	QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA	Grid: EM28st, ARS# 352, QRP-L# 1849
<a href="http://www.sky.net/~crucis">http://www.sky.net/~crucis</a>	E-mail: crucis@sky.net ARCI# 9647

=====

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Date: Mon, 27 Jul 1998 12:29:57 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [16192] Flight of BumbleBees AE4GX BB#7  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA32FB6CC@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

The BumbleBee contest was a ton of fun this time. I used my INDEX QRP+ at 5W and a Parking Lot Portable Vertical (PLPV) on 20/15/10 and W3EDP 87ft Inverted L on 40. Used my new Tandy102 logging program to keep track but had paper for backup.

40mtr Qs 9  
20mtr Qs 37  
15mtr Qs 1  
BB Qs 21

Sam AE4GX BB#7

-----  
Date: Mon, 27 Jul 1998 10:28:25 -0600  
From: Dick Schneider <rschneid@ix.netcom.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [16193] The ARS bumblebee contest was great fun  
Message-ID: <35BCAAA9.16E6F820@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

The ARS bumblebee contest was great fun. Operated Colorado QRP Club station W0CQC. Worked 20 meters only from Pike Nat l Forest. Used a 20 meter dipole tossed together that morning 1.5:1 SWR at 14060! No tuner

needed. Hefted in the IC706 with a heavy battery, but it was worth it. 53 QSOs. 24 Bumblebees. 24 states. 2 provinces, as follows: AZ-1, BC-1, CA-10, CO-2, CT-1, GA-3, IA-2, ID-1, IL-1, KS-1, MI-3, MN-1, MO-3, NC-3,

NY-1, OH-2, OK-2, ON-2, OR-3, PA-1, SC-1, TN-2, TX-4, VA-1, WA-1, WV-1.

East Coast was in there, but very weak. Apologies to those who got lost in pile-ups and QSB.

72 DICK AB0CD

-----  
Date: Mon, 27 Jul 1998 09:32:58 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, ham-books@qth.net  
Subject: [16194] [ForSale-Swap] Old QST & CQ Magazines (fwd)

Whoa! Somebody save these!!

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Submissions [forsale-swap@gth.net](mailto:forsale-swap@gth.net)

-----  
Date: Mon, 27 Jul 1998 09:42:49 -0800  
From: "Russ Carpenter" <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [16195] W7Z0I/AA7QU Combo Plays With the Bees  
Message-ID: <199807271631.JAA21648@guppy.pond.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Wes Hayward, W7Z0I, and Russ Carpenter, AA7QU got together for The Flight of the Bumblebees. Normally, Oregon is a cool, green place; however, this weekend we had a real, live heatwave. Being a little retarded, we choose to hike to a place high on the side of a Cascade volcano--1,600 feet of elevation gain and no water. So in addition to all the usual camping and radio junk, we loaded up our packs with H2O.

This site isn't on the trail, so it requires a little bushwacking. I had marked the site on the GPS when I scouted it three weeks ago, and this time it was easy to find. "Gosh, Wes said, as he heard the GPS beeping its alert that we'd arrived at the waypoint, this sorta takes the challenge out of it."

Only a certified mountain goat like Wes Hayward would feel that we'd made the trip too wimpy. From the point of view of any sane person, it was plenty aerobic.

Saturday night we perched on the side of a steep cliff, feeling like a couple of emperors, surveying our domains. Wes is a gifted yakker, and we discussed nearly every known subject as the sky darkened and the stars began popping out.

We had a reasonably successful radio experience, with a total of 57 Qs. 40 meters was essentially useless, but there were lots of signals on 20. 15 meters was kinda fun, with wispy little signals that would last for about 20 seconds. My Sierra isn't exactly a hot performer on 15, and there were many occasions when we couldn't quite copy stations calling us.

I've never operated in a two person combo, and the experience sometimes made me feel like the village idiot. No matter how hard I tried, I kept sending my own call.

I've learned that midday conditions on 20 meters during the summer are usually pretty tough. There is a lot of attenuation during that 10:00AM to

2:00 PM slot. So our 45 Qs on 20 felt pretty good. I'm looking forward to next year, when 15 meters should become the mainstay.

Thanks to all the participants in the 1998 Flight of the Bumblebees. Your operating skills, good manners, and sense of adventure made it a classy experience.

Russ Carpenter, AA7QU

-----

Date: 27 Jul 1998 12:44:26 -0400  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
To: penzo@juno.com  
Cc: qrp-l;;  
Subject: [16196] Re: Elme101:Phones in series  
Message-ID: <1998Jul27.124426-0400@[130.113.234.7]>

In <19980726.202034.7879.1.penzo@juno.com>, Michael A Penzo wrote:  
>I rewired my phone jack so that the headphones would be in series rather  
>than parallel as suggested in "QRP Power", page 3-22. The Op amp seems  
>to drive my phones louder before clipping. Has anyone else tried this.  
>Really seems to work for me. I gotta wonder why it wasn't designed this  
>way, is there a draw back that I'm not aware of?

I agree, that's the way to wire headphones, especially when driven from a feeble driver like an op-amp.

But there IS a catch...

You must be careful not to ground the headphone jack. The shell of the jack is the common-point between the two headphone elements. When you wire each element in series, then one "hot" element-end ends up going to the ground-plane on the printed circuit board.

The headphone jack shell is now at a half-voltage point.

If you try to wire the jack in a series-connected way, and find you only get audio out of one side of your phones, the cause could be a grounded shell. Insulating the jack from ground should solve the problem. Or using a plastic (insulating) case to mount everything solves the problem too.

-----

Date: Mon, 27 Jul 1998 10:49:29 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@Lehigh.EDU>

Subject: [16197] Bumblebees flight  
Message-ID: <Pine.SOL.3.91.980727103949.23980B-100000@gpfn1.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, cw contesting \*always\* makes me nervous but I'm now at the stage where I am starting to jump in and give it a go...hi hi...so I jumped into the Bumblebee sprint and even though my count is low, I had a \*FUN\* time....quickly looking at the log, I had a total of 15 contacts, all on 20 mtr, \*fast\* QSB a lot, here now, then gone but back later, here now and never heard again, you know the scenario...of the 15 contacts I think 11 were BBs.....I'll try sending my log in on e-mail to ARS site...thanks to \*everyone\* for providing me with a very enjoyable Sunday activity!...72 - Bruce (VE5QRP)-ps- considering my slow cw, I can at least take pride in that when someone contacted me, they had time to go potty, wash their face, have a quick shower, get a bite to eat and something to drink and then finish their contact with me totally refreshed to continue the sprint!...HI HI... ;- ) 72!

-----  
Date: Mon, 27 Jul 1998 10:02:21 -0700  
From: bens@valint.net  
To: <qrp-1@Lehigh.EDU>  
Subject: [16198] FS Ten Tec 251 P/S  
Message-ID: <199807271702.NAA46504@nss4.cc.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I have for sale a Ten Tec 251 P/S 9amp that was built for Argonaut 509 and 405 amp. It is in nearly mint shape and the price is \$60.

Bob, KQ7J  
bens@valint.net  
509-525-0297

-----  
Date: 27 Jul 1998 13:05:17 -0400  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
To: mtracy@arrl.org  
Cc: qrp-1;;  
Subject: [16199] Re: Elmer101: Question on part 8  
Message-ID: <1998Jul27.130517-0400@[130.113.234.7]>

In <m0z0mPM-000Zh0C@mgate.arrl.org>, Tracy, Michael, KC1SX wrote:

>The thing I am having trouble with is this - why doesn't RFC1 effect the  
>filter's shape and why doesn't C12 effect the impedance matching in this  
>"swapped" position? Or is it that they do, but not significantly? I am  
>intrigued by this because, as a neophyte designer, it isn't intuitive to me  
>when one can "get away" with this.

>

Tracy,

These components DO affect impedance match (and therefore filter shape as well).

RFC1 and C11 form a "L-network" to match U1's output Z of 1500 ohms down to the filter's required impedance of about 350 ohms.

However C12 is in there to modify Y1's series-resonant-frequency up a little higher (by 106 Hz) than Y2. It is not part of the impedance matching network.

I've gone thru the xtal filter design on my elmer101  
webpage...Cohn filter  
<http://epic.mcmaster.ca/~elmer101>

-----  
Date: Mon, 27 Jul 1998 13:07:50 -0400  
From: Joseph Trombino jr <joebarb@wilmington.net>  
To: QRP-L@lehigh.edu  
Subject: [16200] LMC-662/NE5532 chips  
Message-ID: <3.0.1.32.19980727130750.00685b88@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Fellow QRP'ers: In my earlier posting regarding the LMC-662/NE5532 chips I forget to add that I am not looking for freebies--I would be happy to pay full price to obtain a couple of these chips (either flavor) to experiment with.

Regards, Joe W2KJ

-----  
Date: Mon, 27 Jul 1998 10:08:07 -0700  
From: bens@valint.net



To: <qrp-1@Lehigh.EDU>  
Subject: [16201] Need info on QRP rigs  
Message-ID: <199807271708.NAA45916@nss4.cc.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I am fairly new to QRP and would like opinions on buying a QRP RIG.

I have an OHR 100 20 mtr which I want to sell and get an all band rig.

There are 3 that I know of. Wilderness Sierra, SQC 2020, and Heath HW9. Are there any more that are worth looking at?? I presently have an Argo 515, but want WARC and more portable ability in addition. I like low hiss in audio, great QSK etc etc (you know-- the perfect rig). I would buy new or used in near mint shape.

Well, that is enuf said or I might get 100 messages.

Thanks,  
73,  
Bob, KQ7J  
bens@valint.net  
509-525-0297

-----  
Date: Mon, 27 Jul 98 13:11:32 EDT  
From: jeverhar@cse.1-3com.com  
To: nestoji@home.com  
Cc: qrp-1@Lehigh.EDU, jeverhar@camden.lmco.com, njqrp@njqrp.org  
Subject: [16202] Re: coaxial dipole  
Message-ID: <9807271711.AA26623@train11.cse.1-3com.com>

Jim, You wrote:

> Oh Antenna Wizards...  
>  
> I am looking for a simple, lightweight antenna to use with the SST20.  
> WITHOUT A TUNER.  
>  
> Vaguely remember seeing something awhile back about a coaxial dipole  
> consisting of a 1/4 wave of coax connected to a 1/4 wave wire radiator  
> creating an end-fed 50 ohm dipole. As I recall, the tricky thing was to  
> decouple the 1/4 wave of coax from any add'l feedline using a toroid or  
> something like that.  
>

> My thought was to make the thingy out of RG-174 and #24 hookup wire to keep  
> it really small and light.  
>  
> Questions:  
>  
> Do I need to consider the velocity factor of the coax in calculating the  
> length of the coax portion?  
>  
> What is the "secret" decoupler? Will a coil of the coax work as a RF choke?  
> How about some turns wound around a toroid? Remember, I want to keep it  
> small and light weight.  
>  
> How about no choke at all, just connect the 1/4 wave coax portion right to  
> the rig?  
>  
> Any additional info about this antenna design would be appreciated.  
>  
> The only Bumblebees I saw yesterday were some "Yellow Jackets" in the back  
> yard. But, I did work a dozen or so with my new SST20 with internal TICK  
> surface mount keyer, a camcorder battery, and a skeleton cone antenna from  
> the same backyard. Great contest idea. All I have to do now is lose 50 lbs  
> and buy a canoe for the next one...  
>  
> 72,  
>  
> Jim, WK8G/2  
> nestoji@home.com

This very same antenna is mentioned in one of Dave Ingram's QRP books and there was a QST article on something similar a couple of years back. In addition, there is an antenna of somewhat similar design in a (W6TNS?) book on simple wire antennas called the "Cobra" antenna.

I built one up from the Dave Ingram description and found that the SWR was very dependent on physical placement of the feedline, giving me the idea that the feeder was not all that well decoupled.

A second version built according to the QST article worked better, but still had a lot of RF on the feedline. Both the QST version and the "Cobra" use coiled up feedline for decoupling (get it? - "coiled up" as in a Cobra!).

The QST version is roughly resonant at the operating frequency and I think the Cobra may have used a large ferrite toroid.

In spite of the varying SWR, the QST version worked pretty well! I just slanted it out to a tree when vacationing several years ago and worked all sorts of stuff on 20 meters with about 1-1/2 watts.

OTOH, you know my prediliction for end-fed half waves wit Rainbow Tuners...

72/73,

Joe E., N2CX

-----  
Date: Mon, 27 Jul 1998 18:15:42 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@lehigh.edu  
Subject: [16203] QRP-L CDRUM PROJECT  
Message-ID: <199807271715.SAA12075@chuck.dallas.sgi.com>

Gang,

OK, we are coming down to the wire on this one.

I have gotten a lot of email on this project when I first posted some time back and John, N5INZ, and I have been working on it. He sent me a CDRUM with his stuff on it, so now I'm putting the stuff into one CD.

Here is the plan. I will have a version ready to go out by the end of August, QRP-L CD #1. It will have some of the ftp site information on it, since it is available worldwide. Consider it an offsite backup.

It will be ISO9660 and all ASCII, .jpg, .gif, or .pdf/.ps file formats. No HTML or other formats at this time. Going with the lowest common denominators at this time. As the contributions mature then other formats to be included. Software authors can write and contribute interfaces or common public domain interfaces that are standards can be used after permissions are obtained.

All contributors will have a subdirectory with their call on the CD and their stuff placed therein.

This is a not for profit venture, i.e. noone should profit materially for the creation or distribution of this CD, so noone needs to worry about the gain of one or more individuals from this project. It is solely intended for the pleasure and entertainment of the audience and hopefully for the continued growth of the QRP community as a whole.

The plan is to have individuals wanting a copy to send a blank CD to one of the individuals with a CD burner with return postage and mailer

self-addressed. This eliminates the exchange of funds, reduces the workload of the person copying the CD by not having to work with labels, office supplies, etc. If say \$5 was charged, \$2 for the CD and \$3 for priority mailing, then there could be a margin for profit that someone will raise a ruckus about..... :-) Remember that it takes some time to burn a CD and I'm hoping this doesn't become too popular.

OK. Now for those that have something to contribute. Send me email on how you would like to get the info to me and we'll work on the logistics. ftp is great, email is OK, and floppy is OK. http is OK too. You are responsible for the material and please please do not contribute something from someone else. The information has to come direct from the original source unless arrangements have been made. You will need a complete README.your\_call file with the material to go in the directory with descriptions, etc. for each of the files to be included.

I am interested in getting a lot of stuff on this CD eventually and it will take some time and a number of versions. We will keep the information uncompressed at first, then start compression later on with GNUZIP or similar software. Such software to be also distributed with the CD. The MAC users will have to contribute to make this compatable across several OS systems. UNIX and DOS/WINDOWS will be easily covered for obvious reasons.

OK, so this is the first pass and remember this is WIP-Work In Progress.

People have suggested we go to a commercial house and make up a large number of CDs and go that way. I think that this is useless. The CD will change rapidly and be obsolete within a week. With the CD burner concept, updates can be done more frequently without the overhead of an inventory of CDs that someone (K5FO, et.al.) will get stuck with.....

So, don't send CDs yet and during the last week of August we'll post a list of the individuals that are involved and will be glad to copy the CD for you. We will work out the logistics of getting the current version to them on a regular basis.

Here are some things that have been suggested and some questions added from the original list that I gave out:

- a. What is the state of the Milliwatt project? I have a volume that I keyed in and was assigned by Doug, KI6DS.
- b. LB's antenna stuff has been requested.
- c. Old newsletters from some of the clubs want to go on the CD for permanent archival?

- d. OCR scanned in stuff? I have a scanner with OCR software.
- e. Search engines for included material?
- f. mods by rig (QRP restricted), i.e. 38 special, SST, ....

I need email from major designers and commercial vendors with ideas on what they could contribute to this project from previous designs and current designs, either for or against. There is always the group that wants such information and can't find it. Your ideas via private mail appreciated. I am not trying to make a catalog of products but it would be interesting to get a history of old kits, etc.

Remember, this is an aggressive project and will require the cooperation of a number of people over a period of time to make it successful. We will do our part to get it part way there and accumulate contributions. There will be some learning curve involved, so just remember this as an experiment. It might propagate to other mail reflectors also.

I will post a directory of contributions 10 days or so into August and about August 25th or so. Just to give everyone a status report on how the project is going.

FYI

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Mon, 27 Jul 1998 13:18:22 -0400  
From: John Mckee <JMckee@RFMD.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [16204] unsubscribe from gqpr-l?  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-980727171822Z-11668@proxy1.rfmd.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello Gang,

Who knows the secret to unsubscribe from gqpr-l? I unsubscribed and got a mail message saying the unsubscribe was successful.

Still receiving email from the list but if I send a message it bounces.

Tnx,

John WB4OFT

-----  
Date: Mon, 27 Jul 1998 13:53:23 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [16205] Zombie #163 lives... errr... dies?  
Message-ID: <Pine.LNX.3.93.980727134015.1070B-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just wanted to thank Paul and the rest of the coven for the very cool badge! The YL had much the same reaction as Sandra, "You guys are grown men? And you spent money for this?" It must just be a "guy" thing :) I sent in my presidential severed heads, and the badge came back! (hint: double up on the postage on your SASE)

Wore mine around the house and forgot about it and went to the store, there seemed to be fewer people getting in my way... my imagination? Back to my holr, email has been down for 4 days, so there are these 600 new messages I have to get to...

72 es tnx agn NA5N!

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Mon, 27 Jul 1998 13:47:05 -0400  
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
To: qrp-l@Lehigh.EDU  
Subject: [16206] Re: coaxial dipole  
Message-ID: <8525664E.0060EC8C.00@dpinet01.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Jim, my advice would be to make a dipole out of the wire you mentioned,

hook up the RG-174 coax (or RG-58) of some suitable length, forget the choke issue, tune it for min SWR in the normal way you would mount up the antenna (horiz dipole, inv-V, etc) and go for it. Even if there were some minor variations in SWR with mounting config, it would not be enuff to worry about it.

Now you can have some fun and not create a nightmare of worries!! I see no use in taking something simple and confusing it with complexities.

72 - Watson/WB4EXW

----- Forwarded by Watson R Gabriel Jr/Gen/DukePower on  
07/27/98 01:38 PM -----

> I am looking for a simple, lightweight antenna to use with the SST20.  
> WITHOUT A TUNER.  
>  
> 72,  
>  
> Jim, WK8G/2  
> nestoji@home.com

-----  
Date: Mon, 27 Jul 1998 15:11:29 -0300  
From: Craig Kolk <craig.kolk@vtmednet.org>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>  
Subject: [16207] Index Labs QRP-Plus  
Message-ID: <67215AAF0D61D11194FB00805F1595467072EC@BURLINGTON14>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi, and thanks for reading this. I have sale, a QRP plus purchased new by me. I Have original packing material and documentation. Radio is in mint condition, used only as a back up. I am asking \$400. Please respond here or Call 802-878-1022.

Tha

nks, Craig W1ZN

-----

Date: Mon, 27 Jul 1998 11:11:04 -0700  
From: Dave Barrett <DBarrett@creo.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>  
Subject: [16208] QRP + 200Hz offset / Drift Problem  
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB0B198D@msgcreo2.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain

Hi All, I have QRP++ that has at least two faults. 1/ Apparently when TXing I am reportedly 200hz higher than the freq I'm receiving on..(No i'm not in some strange mode of RIT /TXit) I can even hear it on my Icom 765, When netted to a familiar voice I TX and am told of this apparent 200hz upward offset. It is allways there when at home but when sent down Index for wtee repair they cannot repeat the condition. 2/ There is an extra drift upwards of some 400hz after 4.5 mins of TX. It doesnot seem to be heat related and is intermittant in nature but fairly regular...again Index cannot repeat this situation. And lastly the display seems to go crazy occasionally switching between serial # (actually my callsign) and the freq. This is at a rate of 6 or 7 secs unless one is Txing then it increases its freq to 1 or 2 secs.

All this shows up on SSB !!

Has anyone out in QRP++ land seen these problems before?????

Thanks in advance for any assistance anyone can offer.....

Dave VE7PCC

-----  
Date: Mon, 27 Jul 1998 14:28:09 -0400  
From: Peter\_Simpson@ne.3com.com  
To: qrp-l@lehigh.edu  
Subject: [16209] Copper Foil Tape  
Message-ID: <8525664E.0064FB69.00@usboxmta.ne.3com.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

The stuff at the local stained glass store is but the tip of the iceberg. Here at work, we have rolls of the stuff, adhesive backed, that are 1, 2, 3 and 4 inches wide! They're made by Chomerics and 3M, and are used to "tape up"



openings in a chassis while testing for RF leakage in our networking equipment.

This tape is very expensive, as it's not generally used for much else but engineering prototype work, but it's used in great amounts for that purpose, compared to the amount that a ham might use.

Sometimes you might find some at a flea market, or someone in the industry might manage to roll off a few yards of it in exchange for a free lunch or a six-pack.

Neat stuff, if you can find it. I have a few yards and it's lasted me for quite a while.

Regards,  
Peter, KA1AXY

-----  
Date: Mon, 27 Jul 1998 14:34:44 -0400  
From: Peter\_Simpson@ne.3com.com  
To: qrp-1@Lehigh.EDU  
Subject: [16210] VCRs as parts source  
Message-ID: <8525664E.0065BAF1.00@usboxmta.ne.3com.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Steve? KD1JV? :-)

I think you can elaborate on the possibilities better than I, but:

50 - 900 Mhz tuner

motors, servos, gears, belts for robotics, motor-driven tuners, scanning camera platforms, etc.

Power supply

clock/timer with control output (for time bomb or coffee pot)

switches, both micro and panel

wire

Peter, KA1AXY

-----  
Date: Mon, 27 Jul 1998 14:35:35 -0400  
From: "Kevin F. Glynn" <kfglynn@prodigy.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [16211] Vic K2VCO's Cannonball Park Story  
Message-ID: <199807271839.0AA40420@pimout3-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hey Vic that was great!

I saw that in I think A Christmas Story where a kid did that to a pole on a double-dare from a schoolmate.

I remember climbing on the cannon many times as a kid. Never tried the tongue trick. Man that must have hurt. My mother also told me that she saw a kid do that while in grammar school in OLA years ago.

It's funny seeing the looks we get from the bridal parties passing through the park. What are these guys doing with wires in the trees and a card table smack in the middle of the park? If someone asks we show them what's going on and try to summon up a QSO on SSB or CW. We usually just get funny looks, or why do you want to speak to someone in Slovenia?

72 Kevin N2T0  
Brooklyn, NYC  
kfglynn@prodigy.net

-----  
Date: Mon, 27 Jul 1998 11:47:14 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: qrp-1@Lehigh.EDU (qrp)  
Cc: fee@vancouver.sgi.com (David Fee - VE7SGI)  
Subject: [16212] VE7CQK/BB (loaded touring version)

Message-ID: <199807271847.LAA22079@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

VE7CQK - FLIGHT OF THE BUMBLE BEE  
SUMMARY SHEET

Contest Date : 26-Jul-98

Callsign Used : VE7CQK/BB  
Operator : VE7CQK

Default Exchange : 559 BC PAUL

Name : Paul Erickson  
Address : 3371 W.31st Ave.  
City/State/Zip : Vancouver, B.C. V5S 1X6  
Country : Canada

BAND	Raw QSOs	Valid QSOs	Points	Mults
20CW	39	39	78	13
Totals	39	39	78	13

Final Score = 1014 points.

Well, had a good time. Our's turned out to be a loaded touring version of the flight of the BB. My friend Dave VE7SGI (sound familiar Chuck?) and I biked to our chosen sight along the Fraser River just east of the fishing village of Steveston B.C.. We got a bit of a late start, so got on the air a bit late. While I started operating Dave finished putting up the 20 meter bisquare. Our other antenna was an offcenter fed wire with 120 feet on one side and 16.5 feet on the otherside of the 300 ohm twinlead. Hooked up my ohr400 at first, but something was wrong with it so switched to the qrp plus, so this was to be a single rig operation. I had set up Dave's laptop to run rigs simultaneously on 20 and 15 but that was not to be. QRN turned out

to be a problem from time to time so my apologies to those I was not able to dig out of the noise. Oddly, initially the bisquare was noisier than the offcenter fed. I had hoped to do some serious antenna comparisons, but the conditions prevented getting any meaningful data. Next year I have to figure out how to stretch about 300ft of wire over the river to a small spit of land that looks like it has some useable trees on it... Other than the rig failure, the only other down side was finding out that our shade went away after about 2.5 hours, so today I am imitating a lobster ;-). I would appreciate hearing from anyone else who noticed a problem with my signal.

By next year we hope to have Dave's code to the point where he can operate as well. By the way, Dave did a great job of explaining what was going on to all the passersby.

Thanks to all who called, and apologies to those I couldn't dig out.

This was a great event, even Dave is looking forward to next year.

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

-----  
Date: Mon, 27 Jul 1998 18:49:05 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: whalen@swcp.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [16213] Re: Contest fun!  
Message-ID: <35BCCBA1.659E@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

tom whalen wrote:

>

<brevity snip>

> Had a good time while it lasted! WE6W ED, had real neat echo to his rig,  
> really stood out and I thought it sounded good with his fine fist on the  
> bug...Dont know what that was ED, but it sounded neat! How bout sharing  
> that lil secret with us?

Hee, hee. Don't you wish!

Actually, I believe it is either just the Drake-TR3 design using

tubes or my theory: The transmit AGC circuit kicking in to keep the rig output power leveled.

>  
> DOC K0EVZ, first contest I have been in that I did not work you?  
>  
Same here. I followed Doc around but we couldn't complete exchange with the QRM.

> Worked K1MG,N1FN,W7ZOI,N4SO and others.  
>  
Great, wasn't it!  
Darn near should be against the law to have this much fun :)

72 buddy,  
-Ed we6w

> So, way to go Cam! Nice contest, and 4 hours is just right!  
>  
> 72,Tom WB5QYT  
>  
> --  
> Enjoying QRP and QRP-L!  
> Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20  
> IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, HW-8, St.L tuner  
> Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396  
> Home of the "spud gun antenna launcher"-Kite antennas- RR mobile

--  
72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Mon, 27 Jul 1998 13:55:39  
From: Roger Braker <msebrakr@telepath.com>  
To: leinwebe@mcmail.CIS.McMaster.CA  
Cc: qrp-l@Lehigh.EDU  
Subject: [16214] Re: elmer101: no audio  
Message-ID: <3.0.1.16.19980727135539.3337fe76@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,  
THanks for all the help you gave me. The problem wasn't a bad Q1 bad missinstalled resistors. R9 and R10 are supposed to be installed widthhewise with respect to the PCB. I had the installed lenghtwise. It

works now. I just misunderstood the silk screen on the PCB. In the process, I broke a lead off Q1 and R9. I got them both replaced. See ya later.

73,  
Arnold kd5ckh

At 12:04 PM 7/27/98 -0400, you wrote:

>In <3.0.1.16.19980724221454.408fe6b4@telepath.com>, Roger Braker wrote:

>>Hi Guys,

>>I finished lesson 12 and can't get any audio. All I hear is a click when I  
>>connect the headphones. Thats it. If I key the rig, I hear a sidtone.  
>>This seams odd since there is no path to the audio section withought the PA  
>>installed. I have the temporay jumper removed. I tried using an audio  
>>test generator starting immediatly after the IF mixer. I hear Audio there  
>>and all the way up through the headphones. I'm using 600 ohm headphones.  
>>I also tried probibg in the audio stage with a peice of wire to hear 80hz  
>>hum but found none. Just scratches and clicks. Any Ideas out there would  
>>be greatly appriciated. The only test equipment I have is a freaquency  
>>counter, a DMM and a RF volt meter. I can also listen to ham band signals  
>>on my Galexy V. Thanks for any suggestions.

>>

>

>Arnold,

> Absolutely NO audio? No hiss during receive?

>Listen carefully for that hiss.

>If the rig is DEAD QUIET when its supposed to be receiving,

>then there's either something wrong with the op-amp audio stages,

>or there's something wrong with the FET mute gate.

>

>If you DO HEAR some low level hiss, then the trouble likely

>lies somewhere in the receiver's RF (or IF) area.

>

>Without the RF GAIN pot jumper, no received RF can get into

>the receiver. Either install the 5k pot, or make sure you've

>jumpered across J1 properly.

>

>

-----  
Date: Mon, 27 Jul 1998 12:05:22 -0700

From: Conrad <radman@best.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [16215] RE: VCRs as parts source (and they're free!)  
Message-ID: <01BDB956.D559CC80.radman@best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On that subject...

I'll leave the VCR "possibilities" to the master.... Steve  
"melt solder" Weber.. but, I wanted to remind newer folks  
that  
old VCRs are absolutely parts-rich and free for the asking.  
Most any VCR/electronics repair shops will gladly give the  
oldies to you. (Tell 'em you're a ham and will use them for  
something interesting -- they seem to like that here on  
the mid-SF Peninsula.)

If you've never tried rounding up old VCRs you'll be  
\*amazed\* at how many are thrown out... ;) !

Happy hunting,

72 - Conrad Weiss - NN6CW

\*\*\*\*\*

Steve? KD1JV? :-)

I think you can elaborate on the possibilities better than  
I, but:

50 - 900 Mhz tuner

motors, servos, gears, belts for robotics, motor-driven  
tuners,  
scanning camera platforms, etc.

Power supply

clock/timer with control output (for time bomb or coffee  
pot)

switches, both micro and panel

wire

Peter, KA1AXY

-----  
Date: Mon, 27 Jul 1998 20:10:05 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [16216] Ft Tuthill Hamfest  
Message-ID: <199807271910.UAA13076@chuck.dallas.sgi.com>

To all the gang in AZ, thanks for the hospitality and good to see each and everyone again. And there is no way that I and most of the visitors could complain about the weather.

Phyllis and I were in Prescott AZ all week working with Architects, Designers, and a builder and thoroughly enjoying the much cooler weather and even some rain thrown in for good measure. :-)

That is part of the reason why I wasn't on QRP-L during the week, but at least the thread has died this week it looks like. Let's all hope so. The entire ham community really got up in arms so quickly.....

We got to Tuthill late Friday (unplanned by the way) from Sedona where we ran into Jo Anne Hendricks, wife of Doug KI6DS. She mentioned that Doug was out and about so we ran up to Flagstaff and ran him and several others down in the camping grounds. Lots of activity going on. Saw a nice construction job on a homebrew Sierra done from the ARRL Handbook. I'm sure that Doug, KI6DS, will have all the news on that.

Saturday was a busy day with the QRP forum going all day. A great group of speakers and a lot of useful information. The AZ sQRPions can be proud of the great work that they all did to get the swapmeet to become one of the premier gatherings of QRPers from all over the country. I'll be there next year as a local, not a visitor it looks like. :-)  
Congratulations to all the winners of the great list of prizes. Thanks to Bertie and the gang also for the nice T-shirts for the speakers.



I am proud to mention that I didn't spend a lot of money as I didn't see anything that I needed this trip. :-)  
Did find some of the trimmers used in the NorCal 40 and Sierra, so bought 4 just to have handy as I have a NorCal 40 partial kit to build soon.

Thanks to all the folks that endured my talk.

The list of notables would be too long to post and I'd miss someone for sure. Although I will again mention Gary, N7IR, whom I apologize for messing up his name during my talk in referring to his contesting talk just before mine. He keeps giving away all the contest tricks every year. :-)

See you next year at Ft Tuthill.

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> [adams@sgi.com](mailto:adams@sgi.com)

-----  
Date: Mon, 27 Jul 1998 14:26:36  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [16217] 11-2-10 project, update  
Message-ID: <3.0.3.16.19980727142636.21af31fe@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy,

Got a couple of inquires on how the conversion is coming, so figured update was in order...

Got the Maxon MCB-30 all converted to 10. Nearly a full 5 watts out over the 29 to 29.5 Mhz range. Program to run the PLL and displays all done. Tuning is in 5 Khz steps and the frequency auto scrolls if you hold a tuning button down for a second or so. I'll be looking into adding a squelch controled scan feature soon.

Next step is to order some parts so I can do the final board layout and test it. Once that's done, I'll ask for firm orders to get an idea of how many sets of parts to order. I think there will be at least 30 to 50 to start, so may just go ahead and get parts for 100.

Then of course, there is a manual to write, that can take some time...

My guess it will be one or two months before it's all said and done and the conversion boards are ready to ship, so hang in there. Lets all hope 10 really starts to show some signs of life this fall and winter. Although, it might be great now and just needs some activity :-)

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: 27 Jul 1998 15:17:30 -0400  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
To: qrp-l;;  
Subject: [16218] Elmer101: A FET mute gate experiment  
Message-ID: <1998Jul27.151730-0400@[130.113.234.7]>

Best way to see what Q1 (the mute gate FET) actually does is to disable it and listen.

Before proceeding, be aware that audio from headphones may end up being mighty loud...

Tack-solder a temporary jumper across R9(4.7MEG) on the bottom of the board. This will effectively "bypass" audio directly into the headphone amplifier, disabling the FET from its mute function. Won't hurt the FET ;-)

You should notice no difference while receiving; the FET is normally about 0.1Kohms while the key is up. 100 ohms is as good as a short-circuit compared with the 22K of R10.

But now when you hit the key, be prepared for a monster sidetone. The FET becomes a very high resistance once the key is down, but audio just shoots thru the short-circuit you've added instead. See how far back you have to turn the RF GAIN pot to cut the sidetone level.

With the short-circuit removed, a little audio gets past the FET through R9, providing a reasonably comfortable sidetone level.

R8 and C24 are only in the circuit to provide some delay on key-up before the FET turns "on" and the receiver's audio comes back up. They have nothing to do with audio level, only timing.

However R8 is required to drage Q1's gate up to the same voltage as its source. Vgs=0 volts is required for the FET to be "on".

-----  
Date: Mon, 27 Jul 1998 15:16:41 -0400  
From: Michael Maiorana <mikemo@ibm.net>  
To: qrp1 <qrp-1@Lehigh.EDU>  
Subject: [16219] Elmer101: part 13, final RF amplifier and filter  
Message-ID: <35BCD219.EC7D79DA@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is the last construction section (Yeaaaaaaa!)  
The last part of the kit is the final RF amp and output filter.

FROM THIS POINT ON MAKE SURE YOU HAVE A SUITABLE ANTENNA OR DUMMY LOAD CONNECTED TO THE ANT PAD ON THE CIRCUIT BOARD.

Transmitting without a resonant antenna or dummy load will cause high SWR and can damage the final transistor. This is why we saved this section for last ;-)

An outstanding description of this amplifier and it's function can be found on Glen's home page at:  
<http://epic.mcmaster.ca/~elmer101/swfinal.html>

Before I read that page, I would have described Q6 as a class C amplifier. Glen shows that the lines are a little blurry when defining an amplifier in a class. Glen modeled Q6 as a simple switch, on for one half cycle of the 7 MHz and off for the other. As you will see the model comes really close to what was actually measured.

I'm not sure about this, but it seems to me that with Q6 either full on or full off that it's power dissipation must be fairly low. This is also reflected in the fact that Q6 has no heat sink. Operating my SW-40+ in a normal QSO, Q6 barely got warm to the touch.

As for the output filters, they are described as a "5 element Chebyshev" filter. Back in March Chuck posted an excellent tech. description that

I am going to include here. The following was done by Chuck Adams and parts by Paul Harden.

\*\*\*\*\* Forwarded text

March 26th posting by Paul Harden on low pass filters prompted this posting. In fact, so that I don't have to type in the graphics again, here is Paul's rendition of the Five Element Chebyshev Filter as used by Dave Benson, NN1G, in the NE4040 and SW-40+:

-----cut here-----

<From Paul Harden, NA5N>

For those who don't have the schematic of the OUTPUT FILTER ...

```
RF from PA ---C36---+---- L3 ---+----L4 ---+-----> to antenna
                   |           |           |
                   C37         C38         C39
                   |           |           |
                   gnd         gnd         gnd
```

C36 is a 0.1uF and is a simple coupling cap, that is, blocks DC from the final transistor (PA) from the filter components.

L3,L4 and caps C37, C38 and C39 for the output filter, which is basically

TWO low pass filters glued together (hopefully with solder!).

The values are:

L3, L4 = 1uH (16 turns on a T37-2 toroid)

C37,C39 = 470pF

and C38 = 1000pF

-----cut here-----

At the desired frequency of operation, if you will make the impedance's  $X_C(37)=X_C(39)=50\text{ohms}$ ,  $X_L(L3)=X_L(L4)=50\text{ ohms}$ , and  $X_C(38)=25\text{ ohms}$  to get 50 ohms to 50 ohms impedance match. You can see why C38 has twice the capacitance of C37 or C39.

Here is a table for L and C values that will give you 50 ohm reactance at each of the most popular QRP frequencies.

Freq [MHz]	L [uH]	C [pF]
-----	-----	-----
3.560	2.23	894.1

for end caps and double value for center

3.710	2.14	857.9
3.579	2.22	889.3
7.040	1.13	452.1
7.110	1.11	447.7
10.106	0.78	315.0
10.116	0.78	314.6
14.060	0.56	226.4
18.080	0.44	176.0
21.060	0.37	151.1
24.910	0.31	127.8
28.060	0.28	113.4

Now the C values are not exactly off the shelf standard values, so you try for the closest you can get. Let's use the 40 meter frequency of 7.040MHz for an example. Dave chose 470pF for C37 and C39 and 1000pF or 0.001uF for C38 and L3=L4=1.02uH. This because 390pF is close on the low end and 470pF is closer to the desired value of 452pF and 0.001uF is closer than 820pF for C38. See Paul Harden's book for the standard capacitor values. (Paul, I'll get the commission check later. :-)) These values are also the same values recommended by Wes Hayward in the SSD book. (Solid State Design for the Radio Amateur an ARRL book)

For the inductors, we get for the two popular toroid sizes used in QRP work and the two most popular cores:

#### TOROID SIZE and TYPE

Core -->	T37-2	T37-6	T50-2	T50-6
# turns	[uH]	[uH]	[uH]	[uH]
1	0.00	0.00	0.00	0.00
2	0.02	0.01	0.02	0.02
3	0.04	0.03	0.04	0.04
4	0.06	0.05	0.08	0.06
5	0.10	0.08	0.12	0.10
6	0.14	0.11	0.18	0.14
7	0.20	0.15	0.24	0.20
8	0.26	0.19	0.31	0.26
9	0.32	0.24	0.40	0.32
10	0.40	0.30	0.49	0.40
11	0.48	0.36	0.59	0.48
12	0.58	0.43	0.71	0.58
13	0.68	0.51	0.83	0.68
14	0.78	0.59	0.96	0.78

15	0.90	0.67	1.10	0.90
16	1.02	0.77	1.25	1.02
17	1.16	0.87	1.42	1.16
18	1.30	0.97	1.59	1.30
19	1.44	1.08	1.77	1.44
20	1.60	1.20	1.96	1.60
21	1.76	1.32	2.16	1.76
22	1.94	1.45	2.37	1.94
23	2.12	1.59	2.59	2.12
24	2.30	1.73	2.82	2.30
25	2.50	1.88	3.06	2.50
26	2.70	2.03	3.31	2.70
27	2.92	2.19	3.57	2.92
28	3.14	2.35	3.84	3.14
29	3.36	2.52	4.12	3.36
30	3.60	2.70	4.41	3.60

Dave went for the 16T on a T37-2 for a value of 1.02uH.  
He uses 1.00uH in print and that is close enough due to variations from core to core on the A(L) value.

I did a quick SPICE simulation and here is my first recommendation for a SW-40+ mod. You knew the mods were coming, didn't you????  
Add one more turn to L3 and L4, thus 17T, and this will increase the second order attenuation by an additional 4dB without significant penalty at the fundamental. And I even modeled in some additional distributed capacitance due to packed turns and it seems to be for the good in this case. I get 34.85dB down at 14.080MHz for 17T vs 30.79dB down for 16T. Now as soon as some of the people get theirs built and can get them to a lab with a high-dollar spectrum analyzer they might take the time to try it both ways and tell me if there is any difference. Probably not enough to worry about, but it would be interesting to look at theory vs real data. The SW-40+ etc. all work great as designed and built from the instructions, so this recommendation may be ignored. Due to other factors yet to be studied (see below) the input impedance of the final PA may influence this effect.

Now those that are going to move their SW-40+ rigs to the Novice frequencies on 40M will start to ask questions on what mods do they need to do? The answer is none, as the filter is not critical for the small change from the low end of 40M to the higher end.

In the latest issue of QRP ARCI Quarterly you will see a graph of attenuation curves from a bunch of filter values that I took from all the W1FB books and Dave's filter. NN1G's is the solid curve. :- ) ;-) The only one that beat it was the theoretical maximum.

Good job Dave. I'll try to put the curve on the web page for the Elmer101 notes later on Friday.

Those of you that went to the trouble of getting SPICE up and running on the computer can check out what happens when you vary some of the values. I'm working on a series of what happens on the input side due to input impedances not being purely resistive and 50 ohms. Also what happens on the antenna side for variations also. So much data and so little time. :-)

One more thing to look at is relative to postings that I see where people 'squeeze' the windings together for these type filters and see power output increase from a rig into a dummy load. Personally, IMHO, this is a dangerous practice. Into a dummy load, the second and third harmonics (which may increase) contribute to the forward energy detected by the SWR bridge and or power meter. BUT, into a real antenna you may see the reflected power increase at the same time, thus showing that the effect is not what you really want. Again, this is something else to experiment on. Remember, mileage may vary. You have to take lots of data and that's what makes it all interesting and challenging.

For those that like to read:

"Ferromagnetic-Core Design & Application Handbook" by Doug DeMaw, W1FB, published by MFJ Publishing Company, Inc. Starkville, MS 39759, MFJ-3506, \$19.95

"Simplified Practical Filter Design" by Irving Gottlieb, published by TAB Books, Blue Ridge Summit, PA 17294-0850, ISBN 0-8306-3355-3, \$16.95. (This one I picked up for \$8.48 at Half-Price Books)

and of course the ARRL HB and Paul Harden's book.

\*\*\*\*\* End forward

That's everything, so.....

Wind L2, L3 and L4 torroids as per the instructions in the manual.

Remove the temporary jumper from J1 and install the proper 5k RF gain pot.

Gather and install the following components:

- L2 as per instructions
- L3 as per instructions
- L4 as per instructions

C36 .1 microfarad  
C37 470 pf  
C38 .001 microfarad  
C39 470 pf  
C113 .1 microfarad  
D12 33 volt zener diode  
Q6 2SC2078

You will have some capacitors left over. That's ok. They were included by Dave for the VFO calibration.

Check your work. Be aware of the polarity of D12 and Q6. Don't install them backwards.

Connect a 50 ohm dummy load to the ANT connection and ground. I just soldered some wire to an S0-239 connector and soldered the other ends into the ANT and ground holes. The antenna connection should go to the center conductor and the ground should go to the shield. I then connected the S0-239 connector to the dummy load in the shack. If you have a QRP watt meter you can put it between the rig and the dummy load to check your RF power out.

If you don't have a watt meter, connect your RF probe or oscilloscope across the dummy load to view the output.

Turn it on. You should hear static from the headphones. Turn your RF gain to maximum. Key the rig. You should see your watt meter move to about 2 watts and hear a nice side-tone. O-scope users should see about 30 volts peak to peak of RF. You can adjust the R24 potentiometer to vary the power out. I turned mine up all the way and the waveform got distorted. I backed it off until it looked clean and then turned it down some more. Now I'm measuring 30 volts p-p which is about 2.25 watts out. Remember that peaking the power into a dummy load is not the best way to get the most power. You may be increasing one of the harmonics and the actual useable power may go down. Also your rig may not be in FCC spec for spurious emissions. If I had a spectrum analyzer I'd like to see how the harmonic output changes with R24 position.

In the forwarded text from Chuck (k5fo) he states that the spurious outputs can be improved (reduced) by adding a turn to L3 and L4. Does anyone with a spectrum analyzer want to do this and post the results?

Well, that's it. If your power out looks good, put it on your 40 meter antenna and make a contact. My first two contacts were Texas, then Cuba. Not bad for 2 watts ;-)

I put my board in the case from a computer A/B switch box. I mounted the RF gain, tune pot, phones and key jacks in the front. On the back I put



the antenna S0-239 and the DC power jack. Right now I don't have an on/off switch but I think I may add one to the RF gain pot.

I used a 10 turn Spectrol linear pot for tuning. I also got one of those small 10 turn indicators. I thought it would be easy to calibrate, but it seems that the varactor response is not linear. The frequency difference between major divisions is 2kHz on the ends and 5kHz in the middle. So all I did was make a little chart on the front of the rig that had the operating frequency for every one of the 10 major divisions. Enough to get me close. I can tune between 7.015 and 7.050 Mhz. I think the first addition to this rig will be a Small Wonder Labs "Freq mite" for a CW frequency indicator.

This radio is a joy to use. It is small and uses very little power, yet the receiver is very sensitive.

Well, that's it folks. Thanks for sticking with me. I can say personally that I've learned a TON of stuff about this radio and QRP rigs in general. I'll post a time and date for an "Elmerfest" on the air. Let's get them finished up and on the air! Think of that as "graduation". Then on to the Elmer 200 series.

--

72 de ku4qo  
Mike Maiorana  
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries and all knowledge, and if I have all faith, so as to remove mountains, but have not love, I am nothing"

-----  
Date: Mon, 27 Jul 1998 15:24:23 -0400  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [16220] Help (in Spanish) amigos  
Message-ID: <199807271524\_MC2-5453-962E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi gang,

Could any good spanish linguists check out my euramcom pages in Spanish f= or

the quality of translation please? (Nils?)

Go to the welcome page and then "Click aqui" por favor. Corrections welcomed.

72 and 73 de Mel  
GM6JAG  
Edinburgh, Scotland UK  
Home of the last HW9

Area Chairman, British Caravanner's Club  
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <[melgm6jag@aol.com](mailto:melgm6jag@aol.com)>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >  
for details of euro-american components equivalents!

-----  
Date: Mon, 27 Jul 1998 15:24:24 -0400  
From: Mel Evans <[MelEvansGM6JAG@compuserve.com](mailto:MelEvansGM6JAG@compuserve.com)>  
To: qrp-1 <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [16221] Help (in French)  
Message-ID: <199807271524\_MC2-5453-962F@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi gang,

Could any good French linguist check out my Eurancom pages in French for =  
me  
and assess the translation for decent French please? (Laura?)

Go to welcome page first and then "Claquer ici" svp

72 and 73 de Mel  
GM6JAG  
Edinburgh, Scotland UK  
Home of the last HW9

Area Chairman, British Caravanner's Club  
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >  
for details of euro-american components equivalents!

-----  
Date: Mon, 27 Jul 1998 12:50:26 +0000  
From: Bob Hightower <ki7mn@dancris.com>  
To: ag97@sendero.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [16222] Re: suggestion  
Message-ID: <199807271946.MAA21352@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:56 PM 7/24/98 -0600, you wrote:

>Everyone could include "QRP" in the subject of your post if it  
>contains QRP related information. This way those of us not wanting  
>all the traffic can set up filters and those of us who enjoy the  
>other topics can be happy too.  
>

Better yet, let's just drop the non-qrp stuff entirely...lets all get back  
on the subject, OK. Write your DD or the ARRL directly, and keep it off the  
list, please.

-----  
Date: Mon, 27 Jul 1998 14:59:08 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [16223] Status of 11-2-10 please?  
Message-ID: <35AA076F63CED111AF860000F8BDCA84049B82@alrsv02>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

I bought the Maxon CB and just wanted to know (if not already answered)  
the status of the 11-2-10 project. Last digest (Sunday) didn't have  
anything. I realize that the project takes time..... just curious.

thanks for all you folks have taught me so far....  
KC5TTY Steve.

-----  
Date: Mon, 27 Jul 1998 21:19:21 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [16224] Elmer200: Announcement Version 1.0  
Message-ID: <199807272019.VAA13467@chuck.dallas.sgi.com>

QRP-L Elmer200 Group,

Here is the first posting for the Elmer200 series devoted to the study of oscillators.

Purpose: To study many types of oscillators from simple to more complex. To study their characteristics and experiment with the actual building of many and measuring their behavior under a wide variety of conditions.

Dates: Starting about the first week of August 1998 and continuing for some time thereafter at a pace dependent upon the time available by the participants. It is recommended that you not (which part of NOT do you not understand?) procrastinate on this one. By this I mean saving all the postings and then later trying them. You will be looking pretty silly coming back over a year from now and asking the group questions. :-) I don't have a problem with that, it's just that time is valuable and there are more projects to follow. I just don't want you to get too far behind and miss a lot of the fun.

Reading Material: (Start reading now, if possible)

Minimum:

ARRL Handbook, 1995 or later. Just to have a common reference point. Start reading the Construction Techniques Chapter (25) to see some of the different ways to build circuits and also look through chapters that discuss

Oscillators. A more detailed list to follow in a week along with some discussions online.

Wes Hayward and Doug DeMaw's "Solid State Design for the Radio Amateur" book. Also published by ARRL.

Paul Harden's "Data Book for Homebrewers and QRPers".

I don't get any rewards for recommending these books.

Additional:

Anything that has references to electronic Oscillators, theory and/or construction articles or books.

Web sites of all kinds will probably be referenced also.

#### Topics:

Quartz crystals, Q, frequency, noise, bandwidth, drift, power input/output, LC resonance, series resonant, parallel resonant, parts substitution, and a host of other topics (related and not related :-)  
for oscillators.

#### Equipment:

Anything that you can afford and will use later and can justify the expenditure for. ;-)  
Or have on hand.

Plan is to let each student/instructor/participant use his/her own resources to build and experiment.

By doing it this way, we can get feedback on just how different construction techniques work and associated do and don'ts affect the final circuit.

Parts dependent upon what you want to do.

Goals: To further the knowledge of all us on just how oscillators in general operate and where and how we as QRPers can make better use of them and improve old and new designs. Maybe even answer some old questions about why some things

do work and others do not.

Postings: Should all start with subject line Elmer200: just to allow the non-participants to have a filter in place to automatically delete the post and ease their reading of QRP-L in general, although that is in itself an impossible task IMHO. ;-)

Readers will probably find that some of the material they may want to skip due to the level of difficulty or area outside of their own goals. This is not a formal class so there will not be a quiz at the end other than those that are going for an upgrade on their license.

A collection of postings will be maintained by the class secretary, Glen VK1FB, whom we are all indebted to for volunteering for a difficult job. Thanks Glen. He and I will work together to maintain the information as best as possible and also try to keep a semi-current version on a web page, etc.

Please stick to 80 column maximum line length. Try to use a non-HTML format and keep signature lines to a minimum, please. No attachments. All this to keep the S/N ratio in the archives to a minimum.

OK, standby for more info as it becomes available.

dit dit

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> [adams@sgi.com](mailto:adams@sgi.com)

-----  
Date: Mon, 27 Jul 1998 16:27:43 EDT  
From: RangerSF5@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [16225] Fwd: The SWL 40+  
Message-ID: <639de42.35bce2c4@aol.com>  
Mime-Version: 1.0  
Content-type: multipart/mixed;  
boundary="part0\_901571243\_boundary"

This is a multi-part message in MIME format.

--part0\_901571243\_boundary

Content-ID: <0\_901571243@inet\_out.mail.aol.com.1>

Content-type: text/plain; charset=US-ASCII

Hi Gang

I just wanted to say that last night I finished building up the 40 Meter version of the SWL 40+.

I was tired (solder gun burn out) but appx 0005 UTC I decided to put it on the air.

With all the trash,qrm,qrn,FB carriers,I still made it to the west coast.

The RX,I'm really impressed.

I had to make repeats but the important thing is all but 1 of 7 2 way contacts were confirmed.

QSB took over.

What a pleasure working with the full qsk, and smooth as silk.

It lacks an RIT but I had no use for it yet.

Also,Dave's support is 100% tops.

No connection with Dave or SWL.

Just want to let everyone know what a super rig this is for a small parts count and compact size.

Bob

WA2HOQ

PS:

Usually around 7.030 after 9PM:EST:

--part0\_901571243\_boundary

Content-ID: <0\_901571243@inet\_out.mail.aol.com.2>

Content-type: message/rfc822

Content-transfer-encoding: 7bit

Content-disposition: inline

From: RangerSF5@aol.com

Return-path: <RangerSF5@aol.com>

To: qpr-1@lehigh.edu

Subject: RE: The SWL 40+

Date: Mon, 27 Jul 1998 16:24:53 EDT

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Hi Gang

I just wanted to say that last night I finished building up the 40 Meter

version  
of the SWL 40+.  
I was tired (solder gun burn out) but appx 0005 UTC I decided to put it on the  
air.  
With all the trash,qrm,qrn,FB carriers,I still made it to the west coast.  
The RX,I'm really impressed.  
I had to make repeats but the important thing is all but 1 of 7 2 way contacts  
were confirmed.  
QSB took over.  
What a pleasure working the full qsk and smooth as silk.  
It lacks an RIT but I had no use for it yet.  
Also,Dave's support is 100% tops.  
No connection with Dave or SWL.  
Just want to let everyone know what a super rig this is for a small parts  
count and compact size.  
Bob  
WA2HOQ  
PS:  
Usually around 7.030 after 9PM:EST:

--part0\_901571243\_boundary--

-----  
Date: Mon, 27 Jul 1998 21:28:56 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [16226] Elmer300: K8IQY Parts List  
Message-ID: <199807272028.VAA13511@chuck.dallas.sgi.com>

K8IQY 2N2/40 Parts List - Ver 1.0; 07/14/1998

Item	Quantity	Description	Value
1	3	R56,R57,R58	2.2
2	1	R53	10
3	1	R24	33
4	1	R15	36
5	1	R54	47
6	1	R4	82
7	2	R55,POT4	100
8	1	R28	150
9	1	R17	200
10	1	R44	330
11	2	R13,R48	390
12	4	R3,R36,R38,R39	470



13	1	R29	560
14	1	R5	620
15	8	R1,R9,R12,R22,R23,R25,R45,R52	1K
16	1	R2	2.2K
17	2	R40,R41	2.4K
18	2	R59,R61	2.7K
19	2	R30,R33	3.3K
20	3	R14,R20,R62	4.7K
21	1	R8	5.6K
22	1	R51	6.8K
23	7	R7,R10,R26,R42,R46,R49,R50	10K
24	4	R27,R34,R43,R47	15K
25	1	R32	27K
26	2	R35,R37	39K
27	4	R6,R16,R21,R31	47K
28	3	R18,R19,R60	100K
29	1	R11	220K
30	1	POT5	1K
31	2	POT1,POT3	10K
32	1	POT2 (10 Turn)	20K
33	1	C2 NPO	3.9pF
34	2	C18,C22 NPO	27pF
35	1	C30 NPO	33pF
36	2	C11,C46 NPO	47pF
37	2	C20,C21 NPO	68pF
38	4	C1,C3,C31,C45 NPO	100pF
39	2	C10,C52 NPO	120pF
40	2	C32,C44 NPO	180pF
41	1	C34 NPO	220pF
42	2	C49,C50 NPO	270pF
43	1	C15 NPO	390pF
44	2	C61,C65 (Silver Mica)	430pF
45	1	C6	470pF
46	1	C12 (330pF Polystyrene  220pF NPO)	550pF
47	1	C63 (Silver Mica)	820pF
48	2	C13,C14 (5% polyester)	.001uF
49	2	C26,C48	.001uF
50	10	C4,C5,C9,C17,C33,C47,C51,C53,C54,C55	.01uF
51	1	C24	.022uF
52	2	C37,C38	.05uF
53	1	Ct (Select to tune primary @ 750 Hz)	.082uF
54	2	C27,C28	.1uF
55	17	C7,C8,C16,C19,C23,C25,C35,C36,C42, C56,C57,C58,C59,C60,C62,C64,C66	.2uF
56	2	C29,C39	4.7uF
57	1	C43	220uF
58	2	C40,C41	470uF
59	1	TC3 (Optional)	3-10pF

60	3	TC4,TC5,TC6	8-50pF
61	5	TC1,TC2,TC7,TC8,TC9	11-70pF
62	1	L1 (T50-7)	44T
63	2	L2,L4 (Molded)	39uH
64	1	L3 (Molded)	4.7uH
65	1	L5 (FT37-43)	10T
66	2	L6,L7 (T37-2)	17T
67	1	L8 (Molded)	12uH
68	1	T1 (T37-2)	3TP - 30TS
69	1	T2 (T37-2)	30TP - 4TS
70	2	T3,T8 (FT37-43)	10T Bifilar
71	4	T4,T5,T9,T11 (FT37-43)	10T Trifilar
72	1	T6 (T37-2)	16TP - 8TS
73	1	T7 (FT37-43)	14TP - 1TS
74	1	T10 Mouser Part #42TL003	1200CT - 8CT
75	1	T12 (T37-2)	5TP-26TS
76	1	T13 (T37-2)	26TP-5TS
77	1	T14 (FT37-43)	10TP-2TS
78	15	D1,D2,D3,D4,D10,D11,D12,D13,D14, D15,D16,D17,D18,D19,D20	1N4148
79	1	D5	1N4735A
80	1	D6	1N4004
81	1	D21	1N4744A
82	1	D7	MVAM109
83	2	D8,D9	MV2115
84	5	Y1,Y2,Y3,Y4,Y5	4.915MHz
85	18	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9,Q10, Q11,Q12,Q13,Q14,Q15,Q16,Q21,Q22	2N2222
86	4	Q17,Q18,Q19,Q20 (Metal case version)	2N2222+
87	1	LS1	SPEAKER
88	1	F1	3A
89	1	S1	SPST

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
 Date: Mon, 27 Jul 1998 16:34:46 EDT  
 From: RangerSF5@aol.com  
 To: ki7mn@dancris.com, qrp-1@Lehigh.EDU  
 Subject: [16227] Re: suggestion  
 Message-ID: <bbf75bdf.35bce467@aol.com>  
 Mime-Version: 1.0  
 Content-type: text/plain; charset=US-ASCII  
 Content-transfer-encoding: 7bit

I agree with Bob 100% +  
I think we all had enough of it and nothing was being solved.  
BTW,  
I delete any mail that has a blank subject title bar.  
Most of the time it's from someone who says I can make several million bucks  
in 2 weeks.  
I have twice that amount now so why do I need more <GRIN>  
Glad to see the reflector is getting back to normal  
Bob  
WA2HOQ

-----  
Date: Mon, 27 Jul 1998 20:34:24 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [16228] BB Sprint Log.  
Message-ID: <35BCE450.19E1@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks, I sure had fun! And I just filled in the  
boxes on the ARS web page. Very easy BB log  
submission. (Of course have the full log  
on a 4x5 inch card -- Both sides!)

Band Q's Points

40 13 13

20 19 38

-----> QSO Pts=51

Total=51\*(18 Bees \* 3)=54\*51=2754 points.

WE6W/ Home QTH; Drake TR-3 at 4 to 5 watts;  
Les Logan #501 Bug; 40 Meter dipole up 30 ft.  
Worked for 4 hours with little breaks for the  
kids. Or is that kidneys? Ron/KU7Y was weak  
but stable at 200 mW! Must be using a CANNON  
to hunt mosquitoes again :) Nice Beam Ron!

Joe's fist sounded less rusty than he led on, I think  
he sounded great for a 3 month hiatus from the rig.

Really fun working my friends, all of you. See you  
next time!

-Ed we6w es bug es building Kd1jv keyer.

Today's license plate:"All these Idiots, So few Comets."  
Xyl liked that one.

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Mon, 27 Jul 1998 15:32:55  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@Lehigh.EDU  
Subject: [16229] RE: VCRs as parts source (and they're free!)  
Message-ID: <3.0.3.16.19980727153255.2ce713e0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Yes indeed, junk VCR's are a gold mine of parts, I always have a couple under the bench for parts.

All kinds of good stuff inside. Don't forget the molded inductors (these read like a resistor but in uhy's) 100 uhy, 33 uhy and 10 uhy are commonly used for supply decoupling.

The older the VCR the better, as the old ones have more parts than the new ones. Ones made in the last 5 yrs or so are good for SMT parts, like chip resistors and caps.

I don't think there are many people left in the whole world today that don't have at least one dead VCR in the closet...

72,  
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Mon, 27 Jul 1998 13:39:19 -0700 (PDT)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: RangerSF5@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [16230] Re: Fwd: The SWL 40+  
Message-ID: <Pine.LNX.3.96.980727133756.3373A-100000@topaz.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Jul 1998 RangerSF5@aol.com wrote:

> Just want to let everyone know what a super rig this is for a small parts  
> count and compact size.  
> Bob  
> WA2HOQ  
> PS:  
> Usually around 7.030 after 9PM:EST:

Sometime in the next week or two, I'll receive my SW-40+ as well. I don't have a 40m antenna yet, but I should have a hacked up coax cable for a simple dipole...IF I can get it to fit (thanks to those on the list) in my apartment. I still want to try a magloop though... :)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
=====
```

-----  
Date: Mon, 27 Jul 1998 14:51:48 -0500  
From: ab5uacw@juno.com (Clifton W Sikes)  
To: qrp-l@Lehigh.EDU  
Subject: [16231] OKC Hamfest.....The True Story  
Message-ID: <19980727.145152.6622.0.ab5uacw@juno.com>

Well, the write up by Dick, KK5X0, was flatering. It was, however, far from a one man show. I had the pleasure of being supported by Dick, and Joe Eder, KU5M. We were all three at the table meeting folks, and running the seminar.

It was an absolute hoot! Talking QRP is always fun, and having a room full of people who are interested just makes it a joy. I was really amazed at the number of questions asked about operating, and especially kit building. If you ever decide to do one of these, PLEASE have a list of suppliers and vendors.

Several of the folks wanted to by a kit right then, and there. I think our little corner of the world will have some new QRP'ers, soon.

Would I do it again? You bet. Would I be better prepared? You bet! Did we have fun? You bet!!!!

Oh, Oh, Oh! My treasure from the hamfest was one of the little test set hand keys.

Been looking for one for three years. It is cool. Made a few Q's on it, when I got home. Handles great.

72 ,and have fun!

Clifton Sikes AB5UA QRP-L #478  
Earlsboro, Ok.  
ab5uacw@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 27 Jul 1998 17:23:08 EDT  
From: RangerSF5@aol.com  
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org, qrp@qth.net  
Subject: [16232] High Altitude HALO jump is \* A GO\*  
Message-ID: <639bdea.35bcefbdb@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi gang  
For some time,  
I have been planning a high altitude HALO jump but most of you know that I had  
some serious set backs.  
It looks like everything is going smooth for my record jump.  
I'll have a beacon on 7.040.  
I plan to exit at 28,000feet and open at 16-18,000ft.  
The bird is busy on weekends so i'll have to do this on a week day.  
Most of you work so I hope that maybe you can take a small RX with you.  
At this time,the beacon will be<para air mobile de wa2how/B>  
I'm now working on a spring loaded antenna ejection system.  
If that turns out to be to complex,then i'll use the antenna coiled up inside  
of 2"Dia. pvc tubing with a 1/4 pound of weight and toss it out.  
I'll keep everyone posted.  
Bob  
WA2HOQ

-----  
Date: Mon, 27 Jul 1998 17:24:46 -0700  
From: Ken LaRose <kenlar@csolve.net>  
To: qrp-l@Lehigh.EDU  
Subject: [16233] Bumblebee Report

Message-ID: <35BD1A4E.3D16@csolve.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dear QRP-Lers,

Had fun yesterday playing in the contest from Beausoleil Island. Strung the W3EDP wire from a pine tree down to the rocky Canadian Shield, in an E-W direction. Due to my miscalculation, I ended up setting up the rig and sitting on the ground, instead of the natural rock operating desk and chair previously selected. And those pesky red ants were out everywhere, biting with a vengeance. The heat from the direct sun on the case of my HW-9 affected the VFO, so the dial markings were way out!

Still managed 38 contacts, mostly on 20 metres, 22 SPCs and 22 Bumblebees for a score of 4,422.

Not as good as my "local" competitor John VE3JC, who I found out is vacationing about 10 miles away, operating from an abandoned Severn River fire tower. During the contest, we arranged to meet for an eyeball today, but the weather is stormy, and his only access out is by boat. However, we had a great QRP conversation by phone, and hope to meet in person next month at a Hamfest.

Thanks to everyone who participated, I learned alot and am looking forward to planning next year's challenging Flight.

72, de Ken VE3ELA

-----  
Date: Mon, 27 Jul 1998 16:42:57 -0600  
From: "Michael S. Williamson" <ag97@sendero.net>  
To: qrp-l@Lehigh.EDU  
Subject: [16234] homebrew test equipment ideas needed  
Message-ID: <980727164943421600@mail>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I was wondering if anybody had resources on building test equipment to measure inductance and capacitance. I'd like to try my hand at building variable caps and inductors.

thanks and 73

kc5cqm

-----  
Date: Mon, 27 Jul 1998 14:51:55 -0700  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [16235] /BB help please and report.  
Message-ID: <35BCF67B.52794034@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

BB Contestors:

I was rather disappointed with my results in the BB contest yesterday, and am trying to figure out wherein the problem may lie.

I was trying a new antenna. It seemed to be working well, as I got fairly good signal reports from all over the country, AK, and Canada.

I would sit and call CQ, but got very few replies. I was using a memory keyer so I know it wasn't my fist ;-).

What I would like to know is if there were folks trying to reply to my CQ and I wasn't coming back to you. If so, I didn't hear you and perhaps my antenna wasn't doing so well. Maybe it was just my location and the poor band conditions.

Got 25 QSO's all on 20M. 11 /BB's for 1650 points. Contacts were from AK, VE6, WA, OR, CA, AZ, MN, MI, NC, as well as some others I can't remember offhand. Ron, K6EXT, and I had lots of fun (Thanks for the chair idea Joe) and were relatively comfortable but very hot.

Can't wait to try again next year from a cooler spot. Geez, I am a reptile vet, you would think I would know about sitting on a hot rock in the sun. Hi Hi

--

73 de AC6KW                      Jeff Grudin, DVM                      grudin@vdbs.com

Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292    QRP-L #16    ARS #351    AR Qrp #131    Bumble Bee #19

-----  
Date: Mon, 27 Jul 1998 16:25:47 -0600 (MDT)



From: Paul Harden <pharden@aoc.nrao.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [16236] ZOMBIE badge update  
Message-ID: <Pine.SOL.3.91.980727155223.23743A-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

I have a bunch of email wanting to know if their Zombie badges have been mailed yet. Sandra mailed out over 100, which were returned by the P.O. for 11 more cents of postage. Those were reprocessed and mailed last week. Some more were mailed friday as I left town for the 377 mile drive to Flagstaff (Ft. Tuthill Hamfest). We have a large stack of requests that arrived last week, which we will process tonite and get mailed tomorrow. These are a few days old and a bit neglected, only because I was out of town for 3 days at Flagstaff.

The response and enthusiasm for the Zombie badges is amazing. Thanks for all the kind words regarding them, and I'm glad you enjoy them. I think most of the QRPers at Ft. Tuthill got one.

I also have a bunch of requests on how to get one. Send an SASE with 32+11 cents (the 11 extra cents is because the P.O. decided they were special handling due to the bulge of the mounting clip) to:

Quicksilver Printing  
ATTN: Witchess Sandra  
P.O. Box 757  
Socorro, New Mexico 87801

You do NOT have to be a NorCal member to get one. You do not have to be a U.S. citizen. They are for fun and anyone who wants one. We even gave a few out to the lovely wives at Ft. Tuthill who asked.

Sandra is trying to keep track of what number went to whom, for which I'll post the list sometime in the future. But to answer the big question I got all day at Flagstaff, here's the first few numbers:

#001 Chuck Adams K5FO (because I thought I'd get a dinner out of him at Flagstaff which didn't happen -hi)  
#002 Jim Cates WA6GER (for using his name in vain)  
#003 Doug Hendricks KI6DS (for using the NorCal name in vain)  
#004 me  
#005 Doug Hendricks KI6DS (delivered at Flagstaff after some flim-flam excuse how he left #003 at home)  
#006 Bob Hightower KI7MN (for being such a gracious host at Flagstaff)  
#007 Witchess Sandra (because 7 is her favorite number)  
#008 Brian N5ZGT in Albuquerque (for first mail request received)

#050-199 mail requests

200-? Given out at Ft. Tuthill (not sure where we left off)

We'll start tonite with where we left off at Flagstaff, around #250.

Stay tuned for details on the ZOMBIE SPRINT "invented" at the Ft. Tuthill campfire Board-of-Directors meeting. Hint: It will be held on Halloween eve UTC (friday nite, Oct. 30th local time).

72, Paul NA5N

-----  
Date: Mon, 27 Jul 1998 18:42:16 -0400  
From: "George F. Allgood" <k4pym@carol.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [16237] ARS Sojourner  
Message-ID: <00f301bdb9af\$d6b76340\$4de280d0@204.116.183.2.carol.net>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_00F0\_01BDB98E.4776BB20"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00F0\_01BDB98E.4776BB20  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am not able to reach the ARS SOJOURNER Webb site. Keep getting an =  
error  
message. Anyone know why or how to fix?  
George K4PYM

-----=\_NextPart\_000\_00F0\_01BDB98E.4776BB20  
Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">  
<HTML>  
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.72.3110.7"' name=3DGENERATOR>

</HEAD>  
<BODY bgColor=#ffffff>  
<DIV><FONT color=#000000 size=32>I am not able to reach the ARS =  
SOJOURNER&nbsp;=20  
Webb site.&nbsp;Keep getting an error</FONT></DIV>  
<DIV><FONT color=#000000 size=32></FONT><FONT size=32>message.&nbsp;=  
Anyone know=20  
why or how to fix?</FONT></DIV>  
<DIV><FONT color=#000000 size=32>George&nbsp;=20  
K4PYM<BR></FONT></DIV></BODY></HTML>

-----\_NextPart\_000\_00F0\_01BDB98E.4776BB20--

-----  
  
Date: Mon, 27 Jul 1998 18:45:05 EDT  
From: RangerSF5@AOL.COM  
To: pharden@aoc.nrao.edu, QRP-L@Lehigh.EDU  
Subject: [16238] Re: ZOMBIE badge update  
Message-ID: <60d3c29a.35bd02f4@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-07-27 18:27:10 EDT, you write:

<<  
You do NOT have to be a NorCal member to get one. You do not have to  
be a U.S. citizen. They are for fun and anyone who wants one. We  
even gave a few out to the lovely wives at Ft. Tuthill who asked.

>>  
Paul,  
What if your not from EARTH?  
Bob  
WA2HQ

-----  
  
Date: Mon, 27 Jul 1998 16:55:46 -0600  
From: Larry East <wlhue@amsat.org>  
To: qrp-l@Lehigh.EDU  
Subject: [16239] RE: QRP-L CD-ROM  
Message-ID: <3.0.3.32.19980727165546.00928580@axp1>  
Mime-Version: 1.0  
Content-Type: text/enriched; charset="us-ascii"

>>>>

<excerpt>People have suggested we go to a commercial house and make up a large

number of CDs and go that way. I think that this is useless. The CD will change rapidly and be obsolete within a week.

</excerpt><<<<<<<<

If that is indeed the case, me wonders "why bother"...

I can't read all of the posts now, much less a stack of CDs that become obsolete before I even get 'em!

Ahhh... such is life in the information (overload) age!

-----  
Date: Mon, 27 Jul 1998 19:06:57 -0400  
From: Paul Helbert <phelbert@rica.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [16240] LMC662CN-ND group buy  
Message-ID: <35BD0811.7ABC43E4@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

The group buy of the LMA662CN-ND is as follows:

Send \$3.00 for one or \$5.00 for two to me with a return mailing label and I'll send you one or two of them in a little anti-static bag.

Callbook address:  
Paul Helbert  
12558 North Valley Pike  
Broadway, VA 22815

The reason some of you probably missed this is that the idea was proposed under an "Elmer 101:" heading and the original offer was addressed by e-mail to the four who expressed their interest. The deal offered to the first four was slightly different and it still holds for them, but Digi-Key socked me with shipping and I went for the anti-static bags...so in order to try to break even that's the deal.

I have twenty of these unspoken for, so please reply with the size of your purchase so I can either stop it or order more chips, as need warrants.

72,

Paul, Wv3j

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End of QRP-L Digest 1165

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